Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9
July 2011 Reporting Period

August 20, 2011

Blythe Solar Power Project

Monthly Compliance Report #9

Table of Contents

Monthly Compliance Report ..... Page 1

Early Works 3-Week Look Ahead Schedule ..... Exhibit 1

Key Events List ..... Exhibit 2

Construction Photographs ..... Exhibit 3

Compliance Matrix ..... Exhibit 4

Air Quality Construction Mitigation Documentation ..... Exhibit 5

Resource Specialists' Monthly Reports ..... Exhibit 6

Worker Environmental Awareness Training Sign-In Sheets ..... Exhibit 7

SWPPP Inspection Checklists ..... Exhibit 8

Daily Water Usage Log ..... Exhibit 9

CBO Approvals ..... Exhibit 10

UXO/MEC Encounter Report ..... Exhibit 11

Site Construction Safety Supervisor's Safety Report ..... Exhibit 12

CBO Safety Monitor's Report ..... Exhibit 13

Abbreviations and Acronyms

AFC	Application of Certification
AQ	Air Quality
AQCMM	Air Quality Construction Mitigation Manager
AQCMP	Air Quality Construction Mitigation Plan
BIO	Biological
BLM	Bureau of Land Management
BM	Biological Monitor
BRMIMP	Biological Resources Mitigation Implementation and Monitoring Plan
BSPP	Blythe Solar Power Project
CARB	California Air Resources
Caltrans	California Department of Transportation
CBO	Chief Building Official
CDFG	California Department of Fish & Game
CEC	California Energy Commission
COM	Compliance
CPM	Compliance Project Manager
CRS	Cultural Resources Specialist
CSS	Construction Safety Supervisor's
CUL	Cultural
DB	Designated Biologist
DESCP	Drainage, Erosion, and Sediment Control Plan
FAA	Federal Aviation Administration
HTF	Heat Transfer Fluid

KPC	Kiewit Power Constructors
KPE	Kiewit Power Engineering
LF	Liner Foot
MEC/UXO	Munitions and explosives of concern/Unexploded Ordinances
MECH	Mechanical
MCR	Monthly Compliance Report
PAL	Paleontological
PPA	Project Prehistoric Archaeologist
PQAD	Prehistoric Quarries Archaeological District
PRS	Paleontological resource specialist
PVSI	Palo Verde Solar I, LLC
P&IDs	Piping and Instrumentation Diagram
ROW	Right Of Way
RCFD	Riverside County Fire Department
S&W	Soil & Water
SMLLC	Solar Millennium LLC
STRUC	Structural
SWPPP	Storm Water Pollution Prevention Plan
TRANS	Transmission
TSE	Transmission System Engineering
USFWS	United States Fish and Wildlife Service

Introduction

On September 15, 2010, the California Energy Commission (CEC) issued a license to Palo Verde Solar I, LLC (PVSI) for the construction and operation of the Blythe Solar Power Project (BSPP). On December 22, 2010 the CEC Compliance Project Manager (CPM) issued a full Notice to Proceed (NTP) letter for BSPP allowing the start of all construction activities associated with Phase 1A of the site.

This document constitutes PVSI's ninth monthly compliance report (MCR) for the BSPP, as required by Condition of Certification COM-6 in the CEC Final Decision. The information contained in this report covers engineering, procurement, construction, and environmental compliance activities that were performed during July 2011.

On August 18, 2011, Solar Trust of America announced the company intends to pursue a switch in technology from concentrated solar thermal to photovoltaics at the Blythe project site. This commercial decision will require some revised environmental permitting analysis. STA will be meeting with CEC staff on August 24, 2011 to discuss next steps for repermitting and onsite activities. With our next monthly compliance report, we will submit a complete plan for site maintenance activities to ensure that with the construction timeline changing, how we will maintain the site during the repermitting effort.

Overall Project Status

SMLLC has contracted with Kiewit Power Engineering (KPE) & Kiewit Power Constructors (KPC) to provide the engineering, procurement, and construction services needed to build the BSPP. As of the end of July 2011, the Project remains less than 0.1% complete. The following table presents the percentage complete numbers for the engineering, procurement, and construction activities as of July 2011:

Activity	% Complete (1)
♦ Engineering	14.2%
♦ Procurement	2%
♦ Construction	< 0.1%

(1) Percent complete based on total project cost expended to date.

Engineering

During July 2011, KPE submitted Phase 1A & B related drawings and specifications to the Chief Building Official (CBO) for review and plan check and made BIO submittals to the CEC.

Procurement

The procurement for July 2011 consisted of snow fencing for Environmentally Sensitive Areas (ESAs).

Construction

During July, KPC conducted safety training for new staff and visitors, installed the BLM kiosk on Black Rock Road, completed ESA Fencing for the Phase 1B Area, completed clearing and grubbing activities on Dracker Drive and in the Shared Facilities Area, started Solar Field Phase 1B topographical survey, removed temporary fencing on Dracker Drive and Solar Field Phase 1A, continued dust control activities, and performed SWPPP-related maintenance and repairs.

Weekly coordination calls and monthly meetings were held during the reporting period between SMLLC Compliance Team, PVSI, AECOM (PVSI's environmental contractor), KPE, and KPC. An *Early Works 3-Week Look Ahead* schedule for the construction activities is included in Exhibit 1. A key events list is included in Exhibit 2. The commercial operation date (COD) for the BSPP Unit 1 currently is October 21, 2014.

EPC Activities Accomplished During Reporting Period

This section of the MCR provides detailed information on the engineering, procurement, and construction activities that were accomplished during the reporting period.

Engineering. The following civil, structural and mechanical engineering activities were completed during July 2011:

- Issued BIO-9 submittal to CEC, consisting of the DT survey and fencing map.
- Issued BIO-28 submittal to CEC for Phase 1B, consisting of a listing of Project Construction Activities for Phase 1B.
- Issued Unit 1 civil package including clearing, grubbing and grading Rev. B for CBO's review and approval.

- Re-issued Phase 1B clearing/grubbing and tortoise fencing package for CBO's review and approval.
- Issued Control Room and Rack Room drawings for CBO's review and approval.
- Issued control system drawing for CBO's review and approval.
- Issued Instrument control panels drawing for CBO's review and approval.
- Issued the SCE drive pylon package, re-issued the SCE torque tube package along with the corresponding response to CBO comments, re-issued the SCE middle pylon package along with the corresponding response to CBO comments, and re-issued cantilever arm package for final approval.

During July, the master CBO submittal log was updated by KPE and posted to the CBO's website. To reduce the size of the exhibits attached to this MCR, PVSI refers the CEC CPM directly to this website to review the updated master CBO submittal log online.

Engineering activities ***planned*** for August 2011 include:

- Re-issue all mechanical P&IDs for CBO's review and approval.
- Issue condensate polisher specification for CBO's review and approval.

Procurement. KPC conducted the following procurement related activities during July 2011:

- Ordered and received 1,000LF of ESA Fencing.

Procurement activities ***planned*** for August 2011 include:

- Order and receive Road Crossings (Box Culverts).

Construction. The following section discusses the construction activities conducted during July 2011 and those planned for August 2011. Representative photographs of the construction activities performed during the reporting period are included in Exhibit 3. Biological, cultural, and paleontological resource monitors participated in weekly look-ahead meetings to discuss planned activities and were onsite as required during the reporting period. Major construction activities performed during the reporting period included:

- Installed BLM kiosk.
- Completed ESA Fencing for Phase 1B Area.
- Kit Fox burrow excavation completed.

- Continue dust control activities.
- Completed clear and grub activities on Dracker Drive.
- Continued clear and grub activities on Shared Facilities.
- Began Solar Field Phase 1B topographical survey.
- Removed temporary fence on Dracker Drive and Solar Field Phase 1A.
- SWPPP maintenance and repair.

Construction activities ***planned*** for August 2011 include the following:

- Continue dust control activities.
- Continue clear and grub activities in Shared Facilities.
- Complete topographical survey in Phase 1B.
- Miscellaneous grading activities.

Compliance Activities

This section of the MCR focuses on PVSI's activities related to ensuring that compliance with all the Conditions of Certification as currently outlined in the BSPP Commission Decision are achieved in a timely and satisfactory manner. The following information is provided per the requirements set forth in Condition of Certification COM-6.

Compliance Matrix. The compliance matrix was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and the dates approvals were obtained from the CBO, CEC CPM, or delegate agency. A copy of the updated matrix is included in Exhibit 4.

Completed Compliance Activities. During the reporting period, the following documents were submitted to the CEC CPM for review and approval.

Date	To	Condition	Subject
07/01/11	CEC	CUL-06	Status of BSPP COC Pre-Phase 1B
07/14/11	CEC, CDFG, USFWS, BLM	BIO-09	DT Survey & Fencing Map
07/14/11	CEC	BIO-19	ESAs

07/14/11	CEC	BIO-23, S&W-10	Decommissioning & Reclamation Plan
07/15/11	CEC, CDFG, USFWS, BLM	BIO-26	Couch's Spadefoot Toad Protection & Mitigation Plan
07/15/11	CEC, CDFG, USFWS, BLM	BIO-28	Project Construction Activities for Phase 1B
07/20/11	CEC	BIO-01	Additional Designated Biologist
07/20/11	CEC	BIO-03	Additional WBO & DT Monitors
07/20/11	CEC	BIO-22	Starting Works in State Waters Phase 1B
07/20/11	CEC	COM-06	MCR #8 June 2011
07/20/11	CEC	COM-06	MCR #8 June 2011 Cultural to CEC
07/28/11	CEC	S&W-05	2nd Quarter GW Level Monitoring Report
07/28/11	CEC	CUL-13	Results of Verification Efforts for the Buried Blythe Army Base and Reservoir Water Pipes

Required Documents Submitted With This Report. The Commission Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in the Project's MCR. The following paragraphs describe the compliance activities that were completed during the reporting period:

- AQ-SC01 (AQCMM): As required by the Condition of Certification, the Air Quality Construction Mitigation Manager (AQCMM) is responsible for directing and documenting compliance with the construction-related air quality Condition of Certification at the Project site and linear facilities. Additional monitors will be assigned as needed to cover times when there are multiple tasks occurring simultaneously that require oversight, extended hours of construction, or when the AQCMM is unavailable. A copy of the ACQMM's monthly report is included in Exhibit 5, and the daily monitoring log is available on site for the CPM's inspection.

- AQ-SC02 (AQCMP): Construction mitigation measures as set forth in this condition and in the Project's approved Air Quality Construction Mitigation Plan (AQCMP) were complied with during the reporting period. Specific information on the implementation of the plan's measures is included in the AQCMM's Monthly Report included in Exhibit 5.

- AQ-SC03 (Construction Fugitive Dust Control): The onsite construction well continues to produce water for dust control. Trenching, fencing, clearing and grubbing operations continued with water trucks providing dust control as frequently as needed. Also in an effort to mitigate dust plumes, speeds are being limited for all construction vehicles.

- AQ-SC04 (Dust Plume Response Requirement): KPC is responding to all visible dust plumes by increasing the application of water where needed. If watering does not adequately mitigate the dust plume, construction activities in that area are suspended until conditions improve.
- AQ-SC05 (Diesel-Fueled Engines Control): All construction equipment on site has been inspected by the AQCMM or his delegate and meets the requirements established in the Condition of Certification AQ-SC5. See the attached equipment log and emissions documentation.
- BIO-02&04: Copies of all written reports and summaries that document biological resources compliance activities, including those conducted by the Biological Monitors (BMs) are provided in the Designated Biologist's (DB) monthly report included in Exhibit 6.
- BIO-06: During July, the total number of personnel who received the Construction Worker Environmental Awareness Training was 10. The number of personnel who have received the training to date is 248. Copies of the Worker Environmental Awareness Program (WEAP) training sign-in sheets for the monthly reporting period are included in Exhibit 7.
- BIO-07 (Implementation of Biological Resources Mitigation Implementation and Monitoring Plan [BRMIMP]): The DB's monthly report is included in Exhibit 6.
- BIO-08: This condition requires that the DB/BM provide monthly documentation on how the impact avoidance and minimization measures have been implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- BIO-09: This condition requires that the DB/BM provide documentation of Desert Tortoise clearance surveys and fencing installation during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- BIO-11: Desert Tortoise compliance verification activities conducted during the reporting period are described in the DB's monthly report included in Exhibit 6.
- BIO-16: This condition requires that the DB/BM provide documentation of pre-construction nest surveys conducted during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- BIO-17: This condition requires that the DB/BM provide documentation of implementation of Kitfox/Badger mitigation and avoidance measures during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).

- BIO-18: This condition requires that the DB/BM provide documentation of implementation of burrowing owl mitigation and avoidance measures during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- CIVIL-01: Phase 1B clearing/grubbing and DT fencing plans were issued for construction and for final approval by the CBO. These drawings were revised based on CBO comments and were resubmitted along with the corresponding Kiewit response to the CBO comments to the prior drawing revision. Finish grading plans (along with hydrology and hydraulics calculations) as well as Kiewit's response to the CBO's comments on the prior revision of this package, were submitted to the CBO for review and comment. Additional Civil plans, specifications and calculations are currently being prepared for review and approval by the CBO. The corresponding transmittals are included in Exhibit 10.
- COM-05: A copy of the updated compliance matrix is included in Exhibit 4.
- CUL-15: During July, the total number of personnel who received the Construction Worker Environmental Awareness Training was 10. The number of personnel who have received the training to date is 248. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Exhibit 7.
- CUL-16: Daily monitoring reports were provided by the Cultural Resources Specialist (CRS) to the CEC electronically during July. The CRS's monthly report for the reporting period is included in Exhibit 6.
- GEN-02: Not applicable to this reporting period.
- GEN-03: PVSI's payments to the CBO during July were in the amount of $73,702.29.
- GEN-06: There were no activities requiring special inspection for July.
- GEN-07: No discrepancy in design and/or construction has been discovered in any engineering work that has undergone CBO design review and approval.
- GEN-08: To date, no work has been completed that has required CBO inspection and approval.
- MECH-01: Mechanical plans, specifications and calculations are currently being prepared for review and approval by the CBO.
- PAL-04: During July, the total number of personnel who received the Construction Worker Environmental Awareness Training was 10. The number of personnel who have received the

training to date is 248. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Exhibit 7.

- PAL-05: The Paleontological Resource Specialist's monthly report for the reporting period is included in Exhibit 6.
- PAL-06: Any signed contracts or agreements executed during the monthly period are referenced in the paleontological resource specialist's monthly report included in Exhibit 6.
- S&W-01: There was 1.63 inches of precipitation during the month of July. SWPPP maintenance was completed on all DT fencing and Check Dams. All erosion and sediment control measures will remain as planned for the foreseeable future and the effectiveness of the DESCP will continue to be evaluated as circumstances warrant (see SWPPP Inspection checklists included in Exhibit 8). A Daily Water Usage Log is included in Exhibit 9.
- STRUCT-01: Issued the SCE drive pylon package, re-issued the SCE torque tube package along with the corresponding response to CBO comments, re-issued the SCE middle pylon package along with the corresponding response to CBO comments, and re-issued cantilever arm package for final approval. Additional structural plans, specifications and calculations are currently being prepared for review and approval by the CBO. Transmittal letters are included in Exhibit 10
- STRUC-03: No design changes have been filed with the CBO.
- TRANS-03: No heavy haul permits were obtained from Caltrans or Riverside County during July.
- TRANS-04: No encroachment permits were received from Caltrans or Riverside County during July. Kiewit is currently preparing the encroachment permit submittal package for Black Rock Road.
- TRANS-06: No hazardous materials transportation permits were received from Caltrans during July.
- TSE-01: In accordance with this condition, an updated master submittal log is available online via the CBO's website for the BSPP.
- TSE-04: Not applicable to this reporting period.
- Waste-01: A copy of the report is included in Exhibit 11.
- Waste-09: The following minor spills/releases occurred on Site in July:

- On July 14, 2011, Backhoe oil pan was damaged by piece of Iron Wood trunk resulting in an approximate release of 3 gallons of engine oil. Extra soil was excavated to error on side of caution and properly disposed of in a 55 gallon drum. After repairs were completed no further concerns were found.
- July 15, 2011, Owner operated water truck released approximately 2 ounces of oil creating small quantity of contaminated soil. Contaminated soil was properly disposed of in a labeled cubic yard box. After repairs were completed no further concerns were found.
- On July 29, 2011, Owner operated water truck released approximately 3 ounces of oil creating small quantity of contaminated soil. Contaminated soil was properly disposed of in a labeled cubic yard box. After repairs were completed no further concerns were found.
- On July 22, 2011, Backhoe released approximately 2 ounces of oil creating small quantity of contaminated soil. Contaminated soil was properly disposed of in a labeled cubic yard box. After repairs were completed no further concerns were found.

All the environmental records including the following information are kept on Site: location of release; date and time of release; , reason for release, volume released, how release was managed and material cleaned up, amount of contaminated soil and/or cleanup wastes generated, if the release was reported to whom the release was reported; release corrective action and cleanup requirements placed by regulating agencies; level of cleanup achieved and actions taken to prevent a similar release or spill; and disposition of any hazardous wastes and/or contaminated soils and materials that were generated by the release.

- Worker Safety-03: A copy of site construction safety supervisor's (CSS) safety report for July is included in Exhibit 12.
- Worker Safety-04b: A copy of the CBO safety monitor's report for July is included in Exhibit 13.

Submittal Deadlines Not Met. None.

Approved Changes to Conditions of Certification. On July 14, 2011 PVSI in accordance with Title 20 CCR Section 1769, PVSI filed a petition for amendment to the BSPP Final Decision (Petition). This amendment reflects modifications to the design of the facility and to modify the

location of its transmission line to reflect the new proposed location of the Colorado River Substation.

Filings or Permits Issued by Other Governmental Agencies. None.

Projected Compliance Activities for August 2011/September 2011. In addition to continued reporting on the standard compliance items that require monthly updates, PVSI anticipates that the following compliance documents will be submitted in the August or September MCRs:

- BIO-11a(2): DB DT Letter to CPM prior to initiating construction-related ground disturbance activities.
- CUL-06: Status of BSPP COC Pre-Phase 1B Compliance
- CUL-7a: Notification of start of data recovery
- CUL-9 a & b: Notification of start of data recovery
- Project activities in jurisdictional state waters and jurisdictional areas.
- CUL-6e: Preliminary PQAD inventory report
- CUL-7b: Notify of presence or absence of subsurface deposits and make recommendation of eligibility
- CUL-7c: Letter report by PPA/CRS
- CUL-10: Notification of start of data recovery
- PAL-02b: Provide revised maps and drawings for Phase 1B to PRS & CPM

Listing of Additions to Onsite Compliance Files During Reporting Period. Copies of the documents included in the exhibits to this monthly compliance report have been added to the onsite compliance files.

Requests to Dispose of Items Required to be in Compliance Files. For this reporting period, no requests are being made for the disposal of items listed in the Project owner's compliance files.

Listing of Additions to Onsite Compliance Files During Reporting Period. Copies of the documents included in the exhibits to this monthly compliance report have been added to the onsite compliance files.

Requests to Dispose of Items Required to be in Compliance Files. For this reporting period, no requests are being made for the disposal of items listed in the Project owner's compliance files.

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 1
Early Works 3-Week Look Ahead Schedule

Early Works 3-Week Look Ahead

Blythe Solar Power Project																							8/7/2011
		3 Week Look-Ahead																					Week 4
Work	Crew	W 3-Aug	Th 4-Aug	F 5-Aug	SS 7-Aug	M 8-Aug	T 9-Aug	W 10-Aug	Th 11-Aug	F 12-Aug	SS	M 15-Aug	T 16-Aug	W 17-Aug	Th 18-Aug	F 19-Aug	SS	M 22-Aug	T 23-Aug	W 24-Aug	Th 25-Aug	F 26-Aug	29-Aug - 2-Sep
Well Site																							
Survey																							
Tortoise Fence / Silt Fence																							
Misc.																							
Main Plant Rd																							
Chipping (C&G)	KPC (3)														Chipping MPR			Chipping Shared Services					
Survey			Bioremed area																				
Clear & Grub Shared Services	KPC (1)	Clear & Grub Shared Services				Clear & Grub Shared Services		Clear & Grub Shared Services				Clean Up Grubbed Stock Piles											
Clear & Grub MPR																							
Clear & Grub Solar Field 1A	KPC (1)																						
Misc	KPC (2)	Install Signs	Misc			Misc		Check Dams @ Culvert "J"	Misc			Misc											
Subs/ Suppliers																							
Deliveries																							

* As noted within the MCR, this schedule will be updated to reflect the technology switch in next month's submittal.

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 2
Key Events List

KEY EVENTS LIST

PROJECT: Blythe Solar Power Project
DOCKET #: 09-AFC-6C
CEC COMPLIANCE PROJECT MANAGER: Mary Dyas

EVENT DESCRIPTION	DATE
Date of Certification	9/15/10
Obtain Site Control	11/04/10
Online Date	TBD
POWER PLANT SITE ACTIVITIES	
Start Site Pre-Mobilization	11/22/10
Start Ground Disturbance	11/29/10
Start Grading	12/15/10
Start Construction	12/15/10
Begin Pouring Major Foundation Concrete	TBD
Begin Installation of Major Equipment (begin erection of ACC)	TBD
Completion of Installation of Major Equipment	TBD
First Combustion of Gas Turbine	TBD
Obtain Building Occupation Permit	TBD
Start Commercial Operation – UNIT 1	TBD
Start Commercial Operation – UNIT 2	TBD
Complete All Construction	TBD
TRANSMISSION LINE ACTIVITIES	
Start T/L Construction	TBD
Synchronization with Grid and Interconnection	TBD
Complete T/L Construction	TBD
HEAT TRANSFER FLUID (HTF) ACTIVITIES	
HTF Delivery	TBD
WATER TREATMENT FACILITY ACTIVITIES	
Turn Over in Commissioning Water Treatment	TBD
Complete Turnover in Commissioning Water Treatment	TBD

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 3

Construction Photographs

SWPPP Maintenance after heavy precipitation.

SWPPP Maintenance after heavy precipitation. Silt Fence Repairs.

SWPPP Maintenance after heavy precipitation. Check Dams Repair

Clear and Grub Main Plant Road

Water Support for Clear and Grub Operation at Shared Services

Removal of Temporary Fence at South End of Arena

ESA Fencing

ESA Fencing

Excavation of Kit Fox Burrow Completed

Survey 1 B Solar Field

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 4
Compliance Matrix

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 5
Air Quality Construction Mitigation Documentation

AQCMM Monthly Summary for July 2011

Blythe Solar Power Project

Weather

Temperatures ranged from the 73 to 107 (degrees F) with sunny days. On July 6th 2011 the project encountered its biggest rain event thus far; approximately 1.63" of rain fell and caused a few silt fence repairs. The installation of the check dams served its purpose in most areas.

Air Quality

Site work activities this month that have the potential to produce fugitive dust emissions included clearing and grubbing as well as operations on the main plant road. To mitigate fugitive dust emissions, an 8M water truck was being utilized as frequently as needed as well as an additional 4M water truck that was acquired this month. If watering does not adequately mitigate the dust plume, construction activities in that area are suspended until conditions improve; as it occurred on May 17th and 18th for half a day.

The Air Quality Construction Mitigation Plan (AQCMP) for the Blythe Solar Power Project requires all construction equipment to be inspected by the Air Quality Construction Mitigation Manger (AQCMM). All construction equipment on site has been inspected by the AQCMM or his delegate and meets the requirements of California Air Resources Board (CARB). The major pieces of equipment onsite may be found in the following equipment list.

AQ-SC3(b) states that all unpaved roads shall be stabilized with a non-toxic soil stabilizer. For the reason that we do not plan to enter the Solar Field 1A section anytime soon and instead of having the water truck water down that area for dust control reasons until we plan on building in that area, we decided to apply Soil Sement on the unpaved road. The dust control plan states that dust control requires water or a soil binder, thus the Solar Field 1A area is in compliance with the BLM approved binder called Soil Sement and the rest of the disturbed areas on the project as being treated with water.

Blythe Solar Power Project
Enhanced Dust Control Mitigation Log

Date	What Enhanced Mitigation Measure was Implemented	Implemented By	Were Additional Mitigation techniques required?	What Additional Mitigation technique was Implemented	Effectiveness
3/31/11	H_2O Truck @ SF1A Roads	John Upton	More SF 1A	More H_2O in SF1A	Yes
4/27/11	Received Larger H_2O Truck	Brent B.	No	More H_2O on Roads	Yes
4/28/11	Soil Sement @ SF1A	Brent B.	No	Soil Sement on SF1A Roads	Yes
5/20/11	Extra Water Truck (4M)	Erick E	Extra Truck	Hired a Owner operator H_2O Truck	Yes

Blythe Solar Power Project
Log of Construction Operations Suspended for Dust

Date	Construction Operation Suspended	Operation Superintendent	How Long was the Operation Suspended
3/30/11	Tortoise Fence Install	John Upton	½ Day
5/17/11	Tortoise Fence Install	John Upton	½ Day
5/18/11	Trenching & Clear & Grub	John Upton	½ Day

Blythe Solar Power Project
Dust Mask Log

Date	Construction Operation Requiring the Use of Dust Masks	Construction Superintendent
1/27/11	Trenching	John Upton
5/18/11	Clear & Grub	John Upton
6/27/11	Check Dam Install	John Upton
7/8/11	Anchor Bolt Drilling for BLM Kiosk	John Upton

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 6
Resource Specialists' Monthly Reports
(Monthly Report of Cultural Resources
Monitoring Activities Filed Confidentially)

BLYTHE SOLAR POWER PROJECT PHASE 1A
MONTHLY COMPLIANCE
BIOLOGICAL RESOURCES REPORT
FOR JULY 2011

Prepared for:

Palo Verde Solar I, LLC
1111 Broadway, Fifth Floor
Oakland, California 94607

Prepared by:

AECOM
2101 Webster Street, Suite 1900
Oakland, California 94612
Phone: (510) 622-6600
Fax: (510) 834-4304

August 2011

TABLE OF CONTENTS

Section **Page**

INTRODUCTION 1

PROJECT LOCATION AND DESCRIPTION 2

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS 3

WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP) 4

SURVEY METHODOLOGY 4

SUMMARY OF ACTIVITIES 7

SURVEY RESULTS 8

GENERAL DAILY NOTES AND OBSERVATIONS 11

ATTACHMENTS

1 Figures
2 Species Observed During July Surveys and Monitoring
3 Photos
4 Daily Biological Monitoring Logs
5 Pre-Construction Survey Data Forms

LIST OF TABLES

Table **Page**

Table 1 Compliance Monitoring and Survey Observations 12
Table 2 Species Summary as of July 31, 2011 18

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INTRODUCTION

On behalf of Palo Verde Solar I, LLC (PVSI), AECOM biologists are performing biological resource pre-construction surveys and construction monitoring for Phase 1A of the Blythe Solar Power Project (Project or BSPP). Phase 1A includes development of the initial production well, creation of an equipment staging area around the production well, development of a Shared Facilities (Services) area, development of an East/West (E/W) Connector Road linking the Well (Staging) Area to the north end of the Main (Permanent) Access Road, development of the Main Access Road itself, and construction of a portion of the Unit 1 solar field including the power block area. In July, pre-construction work began in anticipation of a Notice to Proceed for the Phase 1B area in August 2011. This work was conducted per pre-construction work authorizations received from the CEC and BLM. Surveys of the above-listed facility areas are being conducted in compliance with the following agency approvals and permits issued for the Project:

- California Energy Commission's (CEC's) Final Conditions of Certification (COCs) (Blythe Solar Power Project Commission Decision, CEC-800-2010-009-CMF, DOCKET NUMBER 09-AFC-6 September 15, 2010)
- Blythe Solar Power Project Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP, Docket Number 09-AFC-6C, October 2010) and appended Compliance Plans:
    - Revegetation Plan (Appendix C of BRMIMP)
    - Desert Tortoise Relocation/Translocation Plan (Appendix D of BRMIMP)
    - Raven Management Plan (Appendix E of BRMIMP)
    - Weed Management Plan (Appendix F of BRMIMP)
    - Burrowing Owl Mitigation Plan (Appendix G of BRMIMP)
    - Couch's Spadefoot Toad Protection and Mitigation Plan (Appendix I of BRMIMP)
- U.S. Fish and Wildlife Service (USFWS) Section 7 Biological Opinion (BO) on the Blythe Solar Power Plant No. FWS-ERIV-09B0186-10F0880 (October 8, 2010) and BO Amendment (March 28, 2011)
- Bureau of Land Management (BLM) Right of Way (ROW) Grant, Serial Number CACA-048811 (November 1, 2010)

- Record of Decision (ROD), BSPP and Amendment to the California Desert Conservation Area Plan, BLM Case File Number CACA-048811, Environmental Impact Statement FES 10-41 (October 2010)

This report documents compliance monitoring activities and species observed on site during pre-construction surveys and construction monitoring conducted in July 2011. The following biological surveys and monitoring took place in July:

- Biological monitoring of clear and grub activities and repair of desert tortoise (DT) fencing and check dams along Main Access Road;
- DT clearance and follow up surveys for American badger (AB), kit fox (KF), western burrowing owl (WBO), and nesting birds along the Main Access Road;
- Biological monitoring of clear and grub activities, silt fence repair, and KF passive relocation and burrow excavation in Shared Facilities;
- DT clearance; pre-construction surveys for AB, KF, WBO, and nesting birds; and biological monitoring for UXO clearance activities in southeast quadrant of Unit 2 of the Phase 1B area;
- DT clearance; pre-construction surveys for AB, KF, WBO, and nesting birds; and biological monitoring of cultural resource testing at several locations within and adjacent to the Phase 1B disturbance boundary;
- DT clearance; pre-construction surveys for AB, KF, WBO, and nesting birds; and biological monitoring for fencing of Botany Environmentally Sensitive Areas (ESAs) within 100 feet of the Phase 1B area; and,
- Weekly reconnaissance for ravens, focusing on potential subsidies.

A list of wildlife species observed and photos taken during these activities are provided in Attachments 2 and 3, respectively.

PROJECT LOCATION AND DESCRIPTION

The Project site is located in the Southern California inland desert, approximately 8 miles west of the city of Blythe and 2 miles north of Interstate 10 (I-10) in Riverside County (County), California. The Project is located on a 7,025-acre ROW owned by the federal government and managed by the BLM, pursuant to an ROW grant issued to PVSI from BLM and the parallel thermal electric power plant certification issued by CEC. The total Project Disturbance Area (at

build out) will be 7,025 acres. Phase 1A of the Project (the current phase), which totals 773 acres, is shown in Figure 1.

The Project is a commercial solar thermal power-generating facility that will use solar parabolic trough technology to generate electricity. When fully constructed, the Project will have a nominal output of 1,000 megawatts (MW), consisting of four independent 250-MW power plants (Units #1, #2, #3, and #4). The units will be developed in phases, and construction commenced on November 29, 2010, for the Well Area and Main Access Road within Phase 1A. The first unit is expected to come on line in 2014, and subsequent units are anticipated to come on line in each of the following 3 years.

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Biological mitigation measures for the BSPP site were developed through consultation with CEC, the California Department of Fish and Game (CDFG), USFWS, and BLM. Biological mitigation measures and permit conditions were implemented under the guidance and direction of the Project Designated Biologist (DB), with assistance from approved Biological Monitors (BMs), as required.

During July 2011, Project activities were in compliance with the COCs that apply to the pre-construction and construction activities. These COCs are as follows:

- BIO-1: Designated Biologist Selection and Qualifications
- BIO-2: Designated Biologist Duties
- BIO-3: Biological Monitor Selection and Qualifications
- BIO-4: Biological Monitor Duties
- BIO-5: Designated Biologist and Biological Monitor Authority
- BIO-6: Worker Environmental Awareness Program
- BIO-7: Biological Resource Mitigation Implementation and Monitoring Plan
- BIO-8: Impact Avoidance and Minimization Measures
- BIO-9: Desert Tortoise Clearance Surveys and Fencing
- BIO-10: Desert Tortoise Relocation/Translocation Plan
- BIO-11: Desert Tortoise Compliance Verification
- BIO-13: Raven Management Plan
- BIO-14: Weed Management Plan
- BIO-16: Pre-Construction Nest Surveys
- BIO-17: American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures

- BIO-18: Burrowing Owl Impact Avoidance, Minimization, and Compensation Measures
- BIO-19: Special-Status Plant Impact Avoidance, Minimization, and Compensation
- BIO-22: Mitigation for Impacts to State Waters
- BIO-26: Couch's Spadefoot Toad Impact Avoidance and Minimization Measures

The remaining biological COCs pertain to compensatory mitigation or operations, and are, thus, not covered in this report.

WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP)

The DB continues to administer a BSPP-specific Worker Environmental Awareness Program (WEAP) that includes a brochure, training video, species cards, and hard hat stickers. As required by COC BIO-6, all new employees/field staff reporting to the site must receive the WEAP training prior to start of work.

All personnel reporting to the field in July received WEAP training, as detailed in the comprehensive MCR. A Kiewit Safety and Compliance Manager, assisted by the DB, administered the WEAP training to new employees. Signed affidavits are kept on file by the Kiewit Safety and Compliance Manager and the PVSI Compliance Manager.

SURVEY METHODOLOGY

Survey methodology was in compliance with COCs BIO-9, 14, 16, 17, and 18 and followed CDFG WBO survey guidelines (California Burrowing Owl Consortium 1993); standard nest-locating techniques (Martin and Guepel 1993); and USFWS Desert Tortoise Field Manual, Chapter 6, Clearance Survey Protocol for the Desert Tortoise – Mojave Population. Dates of surveys and survey personnel are summarized in Table 1.

Burrowing Owl

Per COC BIO-18, BMs, under direction of the DB, conducted pre-construction surveys for WBO no more than 30 days prior to initiation of construction activities. Areas surveyed in July included the Main Access Road alignment in anticipation of clear and grub activities, a UXO clearance area in the southeast quadrant of the Unit 2 solar field, several cultural resource testing locations within and adjacent to the Phase 1B disturbance boundary, and Botany ESAs 4 through 9 within 100 feet of Phase 1B prior to ESA fence installation. Surveys included a 500-foot buffer. Survey transects were spaced no more than 30 meters apart, although they were adjusted depending on location to obtain 100% visual coverage. No potential WBO burrows were found

during July surveys in these areas; however, per WBO survey guidelines, when a potentially active WBO burrow is identified, at least two follow-up focused surveys of the burrow are to be conducted during early morning or evening hours.

American Badger and Kit Fox

Surveys were conducted for AB and KF and potential dens prior to disturbance activities per COC BIO-17. Areas surveyed in July included the Main Access Road alignment in anticipation of clear and grub activities, a UXO clearance area in the southeast quadrant of the Unit 2 solar field, several cultural resource testing locations within and adjacent to the Phase 1B disturbance boundary, and Botany ESAs 4 through 9 within 100 feet of Phase 1B prior to ESA fence installation. Surveys included a 20-foot buffer around the disturbance areas. Per COC BIO-17, potentially active burrows are to be monitored for at least three consecutive nights using tracking medium and/or infrared camera stations at the entrance to determine presence of AB or KF.

Nesting Birds

Per BIO-16 and prior to disturbance, pre-construction nesting bird surveys were conducted in July for the Main Access Road alignment in anticipation of clear and grub activities, a UXO clearance area in the southeast quadrant of the Unit 2 solar field, several cultural resource testing locations within and adjacent to the Phase 1B disturbance boundary, and Botany ESAs 4 through 9 within 100 feet of Phase 1B prior to ESA fence installation. Surveys included a 500-foot buffer area around planned active construction areas. Surveyors followed standard nest-locating techniques such as those described in Martin and Guepel (1993). At least two pre-construction nest surveys are conducted prior to disturbance. At least one of the surveys is conducted within 14-days preceding initiation of construction activity. The surveys along the Main Access Road were the final follow up surveys after several previous surveys of this area.

Biological Monitoring

Construction monitoring was conducted in compliance with COCs BIO-8 and BIO-9. Construction activities were confined to the surveyed and staked and/or fenced disturbance boundaries in accordance with these conditions. Areas not yet fenced with DT exclusion fencing were monitored during construction and related disturbance activities (e.g., driving of equipment, water truck spraying, UXO and cultural resource testing) and were cleared for DT prior to the start of the work day. Construction activities were monitored by the DB or BM (with DB oversight). When clearing, grubbing, and grading occurred in these areas, the DB or BM walked ahead of the construction equipment as it moved along its designated path.

Desert Tortoise

Areas that underwent DT clearance in July included the Main Access Road alignment, a UXO clearance area in the southeast quadrant of the Unit 2 solar field, several cultural resource testing locations within and adjacent to the Phase 1B disturbance boundary, and Botany ESAs 4 to 9 prior to ESA fence installation. For areas outside DT exclusion fencelines, a survey was conducted in accordance with COC BIO-8 and BIO-9 to clear the area of DT within 24 hours of the initiation of ground disturbing activities. DT clearance within the fully fenced Main Access Road was initiated on July 11 continued through July 15 in accordance with COC BIO-9. Transects covering 100 percent of the area were walked no more than 15-feet apart. Two separate surveys were walked in opposite directions to allow opposing angles of observation. DT fenceline clearance surveys were conducted in July for those areas along the Main Access Road where fence repairs were necessary after storm events. The repairs occurred prior to the Main Access Road interior clearance transect surveys were initiated. Ground disturbance was monitored by the DB.

Data Collection and Management

Pre-construction and clearance survey data were collected on designated Pre-Construction or Clearance Survey Data Sheets and electronically scanned/uploaded daily. Biological monitoring data were collected on designated Daily Biological Monitoring Logs. Global Positioning System (GPS) data (e.g., special-status species detections, sign, and burrow data) were also collected and uploaded daily. Tracklogs were maintained by individual biologists for all surveys. A database is maintained of all GPS data and detailed survey results.

SUMMARY OF ACTIVITIES

Activities for July 2011 were as follows:

July 1:

- Biological monitoring of clear and grub activities in northern part of Shared Facilities and construction of BLM kiosk on Black Rock Road.
- Inspected DT fencing around Unit 1, Shared Facilities, and well yard.

July 6 through 8:

- Biological monitoring of DT and silt fence repair, check dam repair, and grading along Main Access Road after storm event.
- Biological monitoring of construction of BLM kiosk on Black Rock Road.

July 11 through 15:

- DT clearance, nesting bird, and AB/KF survey of Main Access Road.
- Biological monitoring of clear and grub along Main Access Road.
- Biological monitoring of clear and grub of northern part of Shared Services.
- Biological monitoring of UXO clearance work in Unit 2.
- Biological monitoring of ESA fence installation for Phase 1B.
- Site visit by BLM staff.
- Began monitoring of KF burrow (BMAJR301) in Shared Services per agreement with CDFG.

July 18 through 22:

- Continued monitoring of clear and grub along Main Access Road.
- Completed installation of ESAs for Phase 1B.
- Carried out KF relocation from burrow (BMAJR301) in Shared Services. Obtained CDFG approval and began excavation of burrow after documenting successful relocation.
- Final follow-up surveys for all documented avian nest sites within Phase 1A.
- Biological monitoring of cultural resources work in Phase 1B
- Biological monitoring of UXO clearance work in Unit 2, Phase 1B.

June 27 through 30:

- Completed excavation of burrow (BMAJR301)in Shared Services.
- Monitored newly dug KF burrows in Shared Services with camera stations.

- Completed biological monitoring of clear and grub of Main Plant Road.
- Monitored clear and grub in Shared Services.

SURVEY RESULTS

Sensitive wildlife occurrences within the project area are summarized on Table 2. Their current status as of the end of July is indicated.

Main Access Road

AB/KF/WBO

Surveys for AB, WBO, and KF were conducted during the week of July 11 for the Main Access Road alignment during DT clearance surveys. One potential KF burrow was observed. The potential burrow was scoped on July 12 and determined to be a KF dig, rather than a burrow, and was subsequently collapsed.

A final check of previously observed burrows was conducted on July 19; this survey included sites within the Main Access Road alignment, Unit 1, and Shared Facilities. Recent scat was observed at burrow BKBCG001, which was determined to be a potentially active KF burrow. This burrow is located approximately 40 feet west of the road alignment and will be avoided by construction activities (Figure 2). No other new WBO/AB/KF sign was observed.

Nesting Birds

Nesting bird surveys were conducted of the Main Access Road, plus a 500-foot buffer, between July 11 and 15. One active lesser nighthawk nest (BNGSD001) was observed with an adult female and chick approximately 230 feet east of the Main Access Road (Figure 2). No other active nests were observed. This nest is far enough from the road that it will not be disturbed by clear and grub activities. Several old inactive nests were found and dismantled. A final check of all previously documented nest sites, summarized in Table 2, was conducted on July 19. With the exception of the recent nighthawk nest finding (BNGSD001), all nest sites were determined to be inactive at this time. Any remaining inactive nests were removed.

DT Fenceline Clearance

No DT were observed during clearance surveys of the Main Access Road.

Shared Facilities Area

AB/KF/WBO

As reported in previous Monthly Compliance Reports, KF burrow BMAJR301 was originally found in December 2010 within the southwest corner of the Shared Facilities area. At that time, it was determined that the burrow was inactive and the entrance was blocked with rocks to deter inhabitation as it could not be excavated by hand due to the very compacted soils above the burrow. In March 2011 biologists on site noticed that the rocks had been removed and recent KF sign was observed. Presence of one KF was confirmed with a camera station. The burrow has been avoided by the minimal disturbance activities within Shared Facilities up until July. However, in preparation for clear and grub activities in this area in July, the following measures, with approval from CDFG and CEC, were taken to passively relocate the KF inhabiting the burrow and to excavate and collapse the burrow:

- The burrow was monitored nightly with a camera station between July 11th and the morning of July 18th. It was determined that only one adult KF was present and no pups were present.
- After the KF was observed leaving the burrow at dusk on July 18, a project biologist installed a one-way door in the burrow. A camera station was aimed at the one-way door and activated and a tracking station was created in front of the burrow.
- The one-way door, camera, and tracking station were checked the following three mornings, July 19 through 21. The camera station did not show the KF trying to re-excavate the burrow or get through the one-way door. The one-way door and all soil around the door remained intact.
- The first morning a paw print was found at the tracking station in front of the burrow. On the subsequent two mornings a few paw prints were found in the soil leading to the burrow although there were no prints directly in front of the burrow.
- The morning of July 21, project biologists observed the KF at alternate burrows 300 meters to the west (BMAMI202). The burrows are 50 feet within the Main Access Road and Shared Services western fenceline boundary (Figure 2). They are recent burrows, as they were not present during DT clearance surveys conducted for this area in spring 2011. Biologists set up camera stations to monitor these burrows. The burrow complex was delineated with lathe stakes and flagging. Equipment operators were instructed to avoid the area.
- On July 22, the one way door was removed from BMAJR301 and the burrow was investigated with a fiber optic scope. The burrow was confirmed to be vacant, and

excavation using a backhoe of the burrow was started with approval of CDFG. Excavation was monitored by the DB and an eight inch diameter flexible pipe was inserted into the burrow to maintain an opening/escape route. The excavation could not be completed due to the 4-foot depth limitations of existing construction permits, and so completion of the excavation was postponed pending a new permit.

- On July 28, excavation of the burrow was completed. Excavation was monitored by the DB who also assisted in maintaining the opening using the drain pipe.
- Camera stations and subsequent DB observations of the newly excavated burrow complex to the west (BMAMI202) revealed the presence of two kit foxes at these burrows. This area remains flagged off and avoided by clearing and grubbing in Shared Services.

Phase 1A Unit 1

A final check of previously observed burrows was conducted on July 19; this survey included sites within the buffer of Unit 1. Burrow complex BMAMI015, located approximately 40 feet east of the Unit 1 fenceline (Figure 2), was determined to be inactive. No recent sign was observed and the burrows had mostly caved in.

Phase 1B Cultural Resource Sites

On July 20, a focused WBO/AB/KF survey was conducted for the following Cultural Resource test sites within and adjacent to Phase 1B: CA-RIV 9623, 9770, 9797, 9798, 9803, 9806, 9807, and 9808. One KF burrow (BMAMI201) was observed with fresh scat. This burrow is located approximately 75 feet east of the deviated gen-tie (Figure 2). It was avoided by cultural resource testing activities.

Phase 1B Unit 2 UXO Clearance Areas

DT clearance and pre-construction AB/KF/WBO and nesting bird surveys were conducted for two 400-foot by 400-foot areas, plus appropriate survey buffers, in preparation for UXO clearance activities for Phase 1B. The surveys took place on July 12 for the western site and on July 14 for the eastern site. No live DT, AB, KF, or WBO; active burrows or nests; or recent sign were observed at either site.

Phase 1B ESAs

On July 18, DT clearance and pre-construction AB/KF/WBO and nesting bird surveys were conducted for Botany ESAs 4 through 9, located within 100 feet of the Phase 1B area, prior to installation of ESA fencing. Surveys included appropriate survey buffers. No live DT, AB, KF, or WBO or active burrows or nests were observed at either site. No live DT, AB, KF, or WBO; active burrows or nests; or recent sign were observed at either site.

Raven Monitoring

Weekly monitoring of raven activity was conducted per the Raven Monitoring and Management Plan. Monitoring focused on potential subsidies such as waste disposal areas and staged equipment. No ravens were observed this month.

GENERAL DAILY NOTES AND OBSERVATIONS

Table 1 summarizes construction and biological clearance survey and monitoring activities and observations. Daily notes detailing compliance monitoring activities and pre-construction survey observations and are provided in Attachments 4 and 5, respectively.

Table 1 Compliance Monitoring and Survey Observations

Location	Construction Activity	Survey Type	Start Date	End Date	Monitor	Special-Status Species	Observations
Phase 1A							
Main Access Road	Fence Repair; Clear and Grub	Biological Monitoring	6-Jul	27-Jul	Ray Romero (DB)	None	6-Jul to 8-Jul - Heavy rains resulted in damage to DT fencing. Some t-posts were knocked over. Damage to fencing was photo-documented. Monitored repair of fence, and grading/smoothing of Main Access Road.
							11-Jul - Coordinated with Biology staff for DT clearance survey of Main Access Rd. Also assisted in prep of setting up wildlife cameras at KF burrows. Escorted BLM staff around ROW.
							13-Jul and 15-Jul - Monitored removal of temporary fence for clear and grub.
							14-Jul - Backhoe punctured oil pan on ironwood tree. Cleaned up site and properly stored and disposed of contaminated soil. Documented in photos. Monitored clear and grub activities on main road.
							20-Jul and 25-Jul - Monitored clear and grub along Main Access Road and installation of DT fencing along cattle guards.
		DT Clearance	11-Jul	15-Jul	Milo Rivera (DB), Shelly Dayman and Carl Demetroupolous (BMs)	None	DT bone fragments found. One KF burrow BKBSD001 with fresh scat.

Location	Construction Activity	Survey Type	Start Date	End Date	Monitor	Special-Status Species	Observations
Main Access Road	Clear and Grub	WB/AB/KF Focused	11-Jul	12-Jul	Milo Rivera (DB), Shelly Dayman and Carl Demetroupolous (BMs)	None	KF burrow BKBSD001 found during DT Clearance survey was subsequently determined to be a dig and not occupied. Burrow was collapsed after scoping on 12-Jul.
			19-Jul	19-Jul	Mike Ireland (BM)	KF	Burrow BKBCG001 with recent scat determined to be active KF burrow.
			21-Jul	21-Jul	Mike Ireland (BM)	KF	Watched KF enter burrow BMAMI202 inside of shared services/access road fence.
		Nesting Bird	11-Jul	15-Jul	Milo Rivera (DB), Shelly Dayman and Carl Demetroupolous (BMs)	None	Many old, inactive nests seen and dismantled. One active Lesser Nighthawk nest with a chick found 13-Jul (BNGSD001).
			19-Jul	19-Jul	Mike Ireland (BM)	None	Final check of all previously recorded nest sites. All determined to be inactive with the exception of BNGSD001.
Main Access Road *- Check Dams*	Repair of Check Dams	Biological Monitoring	6-Jul	8-Jul	Ray Romero (DB)	None	Monitored the repair of check dams damaged by rains.
Shared Facilities	None	Existing DT Fence Check	1-Jul	1-Jul	Tina Poole (BM)	None	Inspected fencing around Unit 1, Shared Facilities, and well yard. All in good shape.
	Clear & Grub; Silt fence repairs	Biological Monitoring	1-Jul	1-Jul	Tina Poole (BM)	None	Monitored clear and grub activities.

Location	Construction Activity	Survey Type	Start Date	End Date	Monitor	Special-Status Species	Observations
Shared Facilities	Clear & Grub; Silt fence repairs	Biological Monitoring	15-Jul	15-Jul	Ray Romero (DB)	KF	Cautioned Kiewit heavy equipment operators (water truck and grader) to keep away from the active KF burrow.
			22-Jul	22-Jul	Ray Romero (DB)	None	Backhoe had oil leak due to missing o-ring. All contaminated soil was removed and properly disposed. Backhoe was parked on visqueen tarp during repairs. Kiewit filled out documentation.
			29-Jul	29-Jul	Tina Poole (ADB)	KF	Monitored clear and grub. Observed the two kit foxes at burrows BMAMI202.
		AB/KF Focused	11-Jul	11-Jul	Milo Rivera, Shelly Dayman, Carl Demetroupolous (BMs)	KF	Set up a camera at active KF burrow BMAJR301 to check for pups.
			18-Jul	21-Jul	Mike Ireland (BM)	KF	18-Jul One-way door installed at BMAJR301. KF footprints seen; re-positioned camera; no kit fox observed on camera.
	Excavation of KF Burrow	Biological Monitoring	22-Jul	22-Jul	Ray Romero (DB)	KF	Monitored excavation of KF burrow. Kiewit's permit limited to 4 ft. deep; stopped digging pending new permit. Crew installed fencing around new KF burrows to west.

Location	Construction Activity	Survey Type	Start Date	End Date	Monitor	Special-Status Species	Observations
Shared Facilities	Excavation of KF Burrow	Biological Monitoring	28-Jul	28-Jul	Ray Romero (DB)	None	Monitored clear and grub, then monitored excavation of KF burrow BMAJR301. A Daily Excavation Checklist was completed, with John Upton, the Kiewit superintendant present as the "competent person" to witness and direct excavation.
E/W Connector Road	None	Existing DT Fence Check	1-Jul	1-Jul	Tina Poole (BM)	None	Inspected fencing around Unit 1, Shared Facilities, and well yard. All in good shape.
Well Yard	None	Existing DT Fence Check	1-Jul	1-Jul	Tina Poole (BM)	None	Inspected fencing around Unit 1, Shared Facilities, and well yard. All in good shape.
		Biological Monitoring	14-Jul	14-Jul	Ray Romero (DB)	None	Water leaking from Klein tank. Rock placed at base to disperse water.
Black Rock Road	BLM Kiosk Installation	Biological Monitoring	1-Jul	8-Jul	Tina Poole (BM), Ray Romero (DB)	None	Monitored installation of BLM kiosk at intersection of Black Rock Rd. and Black Creek Road.
	Cattle guard maintenance	Biological Monitoring	22-Jul	22-Jul	Tina Poole (BM), Ray Romero (DB)	None	Monitored removal of silt from rains from beneath cattle guard.
Phase 1B - Unit 2							
UXO Clearance Areas	UXO Clearance	Biological Monitoring	6-Jul	6-Jul	Ray Romero (DB)	None	Coordinated with Dan McKinnon, BLM, Cultural Resource staff, and 3rd party monitor for scheduled UXO clearance. Set up a grid system for recon.
			13-Jul	18-Jul	Ray Romero (DB)	None	Monitored UXO recon and clearance activities near Black Creek Rd.
			28-Jul	28-Jul	Ray Romero (DB)	None	Checked on UXO crew, and Phase 1B staking locations, coordinating with BLM monitor.

Location	Construction Activity	Survey Type	Start Date	End Date	Monitor	Special-Status Species	Observations
UXO Clearance Areas	UXO Clearance	DT Clearance	12-Jul	14-Jul	Ray Romero (DB)	None	Surveyed two 400' X 400' areas in preparation for UXO clearance activities. A Class 5 shale bone was found just outside boundaries of eastern site.
		Nesting Bird Survey	12-Jul	12-Jul	Ray Romero (DB)	None	One degraded, inactive Verdin nest found in ironwood tree.
		AB/KF/WBO Survey	12-Jul	14-Jul	Ray Romero (DB)	None	No burrows observed. No live animals or other sign present.
Cultural Resource Sites	Hand tools	Biological Monitoring	15-Jul	15-Jul	Ray Romero (DB)	None	Coordinated with SWCA paleontologist on check sites near cobble stone terrace site and off dirt road to translocation site.
		WBO/AB/KF Transect; Nesting Birds; Biological Monitoring	20-Jul	20-Jul	Mike Ireland (BM)	None	Gila woodpeckers, and Loggerhead shrike in vicinity of two nests, determined to be inactive. DT carcass in pieces; KF burrow BMAMI201 with old and fresh scat.
Botany ESAs 4-9	ESA Fencing	Biological Monitoring	13-Jul	20-Jul	Ray Romero (DB)	None	Escorted Kiewit to Botany ESA locations to inspect areas for fencing. Identified botany locations, and staked paths to locations.
							Monitored ESA fence installation. KF burrow with fresh scat found near Botany 5. All fencing completed at all botany ESAs, and signage attached on new fences.
		DT Clearance	18-Jul	18-Jul	Ray Romero (DB)	None	Surveyed Botany ESAs prior to fence installation. Several DT bones found in wash adjacent to ESA fencing at Botany 4.
		Nesting Bird Survey	18-Jul	18-Jul	Ray Romero (DB)	None	Surveyed Botany ESAs prior to fence installation. One degraded, inactive Verdin nest found in ironwood tree.

Location	Construction Activity	Survey Type	Start Date	End Date	Monitor	Special-Status Species	Observations
Botany ESA 4-9	ESA Fencing	AB/KF/WBO Survey	18-Jul	18-Jul	Ray Romero (DB)	None	Surveyed Botany ESAs prior to fence installation. Potential KF burrow found with no recent sign. No other survey recommended for this burrow.

Table 2 Species Summary as of July 31, 2011

Species	Type	Status	Location	Proximity to Construction	Action	Identifier
Desert kit fox	Burrow complex	Potentially Active	Main Access Road	40 feet west of road alignment	Monitoring	BKBCG001
Lesser nighthawk	Potential nest site	Inactive	Main Access Road	300 feet west of road alignment	None - Monitoring Complete	BLNHAF001
Verdin	Nest	Inactive	Main Access Road	150 feet east of road alignment	None - Monitoring Complete	BNEJM001
Ash-throated flycatcher	Nest	Inactive	Main Access Road	200 feet east of road alignment	None - Monitoring Complete	BNEJM002
Ladder-backed woodpecker	Nest	Inactive	Main Access Road	300 feet east of road alignment	None - Monitoring Complete	BNEJM003
Black-tailed gnatcatcher	Adult female	Inactive	Main Access Road	340 feet east of road alignment	None - Monitoring Complete	BNEJR301
Verdin	Nest	Inactive	Main Access Road	90 feet west of road alignment	None - Monitoring Complete	BNEJR306
Verdin	Nest	Inactive	Main Access Road	200 feet east of road alignment	None - Monitoring Complete	BVNAF001
Verdin	Nest	Inactive	Main Access Road	200 feet east of road alignment	None - Monitoring Complete	BVNAF002
Verdin	Nest	Inactive	Main Access Road	200 feet east of road alignment	None - Monitoring Complete	BVNJM006
Desert kit fox	Burrow complex and individual	Inactive	Shared Services	Within Shared Services	Kit fox passively relocated; burrow excavated and collapsed	BMAJR301
Western burrowing owl	Burrow and individual	No recent activity	Unit 1	485 feet southeast	Buffer Fence - 250'	BBLMI001
Desert kit fox	Burrow and individual	Inactive – burrows have caved in	Unit 1	40 feet east of Unit 1	None – Monitoring Complete	BMAMI015

Species	Type	Status	Location	Proximity to Construction	Action	Identifier
Desert kit fox	Burrow	Active	Gen-tie	75 feet east of deviated gen tie	Monitoring	BMAMI201
Desert kit fox	Burrow and Two Individuals	Active – Excavated at time of relocation from BMAJR301; relocated individual likely moved to these burrows	Shared Services/ Main Access Road	Within shared services/ access road	Monitoring	BMAMI202
Lesser nighthawk	Nest	Active	Main Access Road	230 feet east of main access road	None	BNGSD001

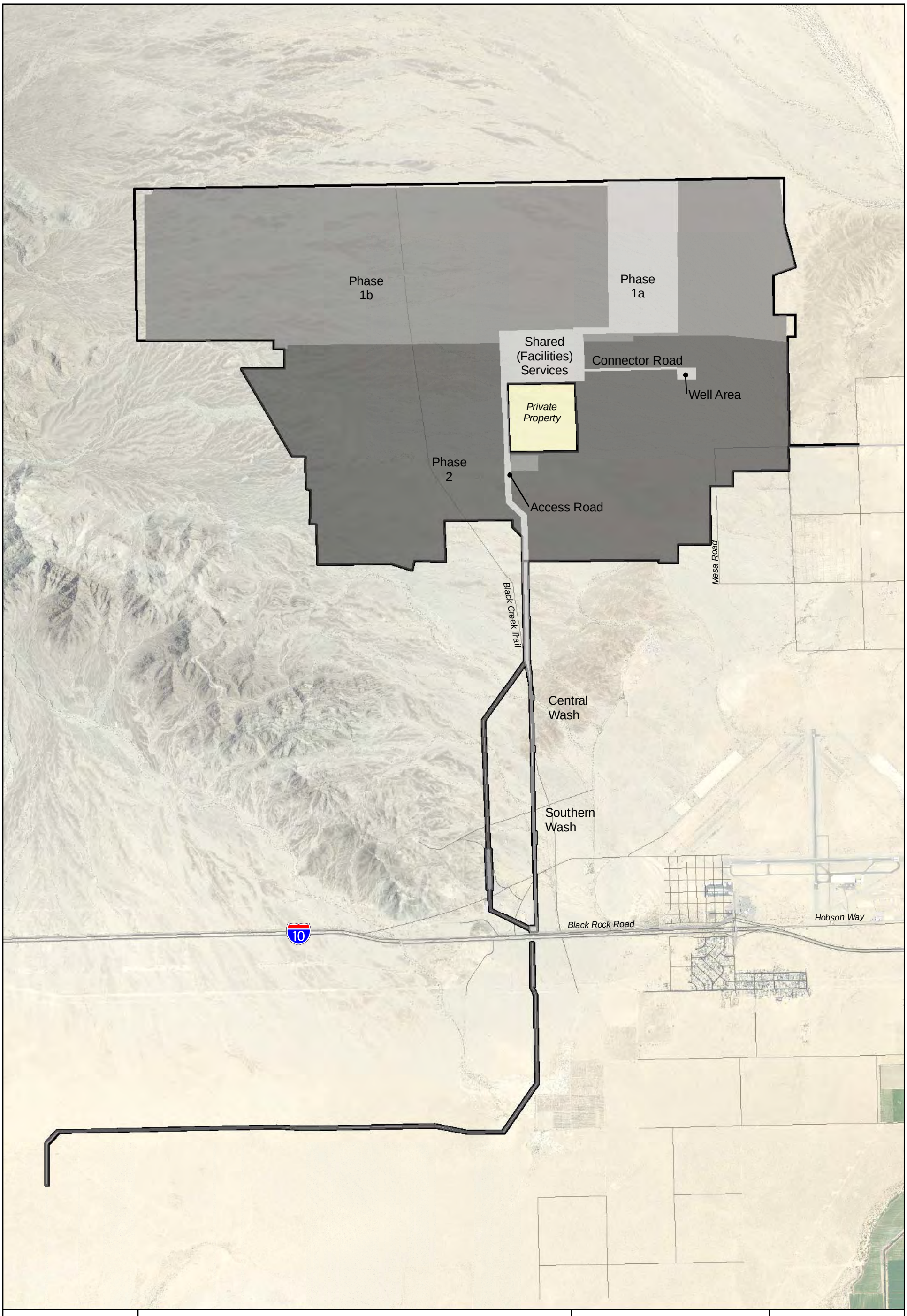
REFERENCES

California Burrowing Owl Consortium. 1993. Burrowing Owl Survey Protocol and Mitigation Guidelines. April.

Martin and Guepel. 1993. Nest Monitoring Plots: Methods for Locating Nests and Monitoring Success. Journal of Field Ornithology.

ATTACHMENT 1

FIGURES



Map Location

Legend

Project Disturbance Area

Phase

1a

1b

2

0 3,500 7,000 Feet

1 inch = 3,500 feet

N W E S

Blythe Solar Power Project

Figure 1
Monthly Compliance
Biological Resources
Report - July

Source: NAIP 2009; RiversideCounty 2010; AECOM 2011

SOLAR TRUST OF AMERICA

AECOM

Date: August 2011

Path: P:\2011\11280150.01_BSPP_COMPLNC\06GIS\6.3_Layout\Reports\MCR July2011\Fig1_BSPP.mxd, 8/10/2011, SteinB

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3731000 3730000 3729000 3728000 3727000 3726000 3725000 3724000 3723000 3722000 3721000 3720000 3719000 3718000 3717000

Phase 1b

Phase 1a

Shared (Facilities) Services

Connector Road

Well Area

Private Property

Phase 2

Access Road

Central Wash

Southern Wash

10

Proposed CRS

Map Location

OR ID NV UT CA AZ

Legend

Project Disturbance Area

Observations

Active Desert Kit Fox Burrow

Desert Kit Fox Burrow, Door in Place

Potentially Active Desert Kit Fox Burrow

Inactive Desert Kit Fox Burrow

Active Lessser Nighthawk Nest

1 inch = 3,500 feet

0 3,500 7,000 Feet

N W E S

Blythe Solar Power Project

Figure 2
Monthly Compliance Biological Resources Report - July

Source: NAIP 2009; AECOM 2011
Coordinate Grid System: UTM Z11 N, NAD 83, meters

SOLAR TRUST OF AMERICA

AECOM

Date: August 2011

Path: P:\2011\11280150.01_BSPP_COMPLNC\06GIS\6.3_Layout\Reports\MCR\July2011\Fig2_BSPP_Clearance_July2011.mxd, 8/10/2011, SteinB

ATTACHMENT 2

SPECIES OBSERVED DURING JUNE SURVEYS AND MONITORING

WILDLIFE SPECIES DETECTED DURING BIOLOGICAL COMPLIANCE CLEARANCE SURVEYS AND MONITORING BSPP July 2011

Scientific Name	Common Name
INVERTEBRATES	
Order *Odonata*, Infraorder *Anisoptera*	Dragonfly
Pogonomyrmex barbatus	Harvester ants
Genus *Pepsis*	Tarantula hawk wasp
AMPHIBIANS – None observed	
REPTILES	
Callisaurus draconoides	Zebra-tailed lizard
Cnemidophorus tigris	Western whiptail lizard
Coleonyx variegatus	Western banded gecko
Crotalus cerastes	Sidewinder rattlesnake
Dipsosaurus dorsalis	Desert iguana
Phrynosoma platyrhinos	Desert horned lizard
Uta stansburiana	Side-blotched lizard
BIRDS	
Amphispiza belli	Sage sparrow
Buteo jamaicensis	Red-tailed hawk
Callipepla gambelii	Gambel's quail
Calypte costae	Costa's hummingbird
Cathartes aura	Turkey vulture
Chordeiles acutipennis	Lesser nighthawk
Corvus corax	Common raven
Geococcyx californianus	Roadrunner
Ardea herodias	Great blue heron
Icterus parisorum	Scott's oriole
Lanus ludovicianus[1]	Loggerhead shrike[1]
Melanerpes uropygialis	Gila woodpecker
Polioptila melanura	Black tailed gnatcatcher
Zenaida asiatica	White-winged dove
MAMMALS	
Dipodomys deserti	Desert kangaroo rat
Dipodomys merriami	Merriam's kangaroo rat
Neotoma lepida	Desert wood rat
Spermophilus tereticaudus	Round-tailed ground squirrel
Vulpes macrotis arsipus	Desert kit fox

[1] State species of special concern

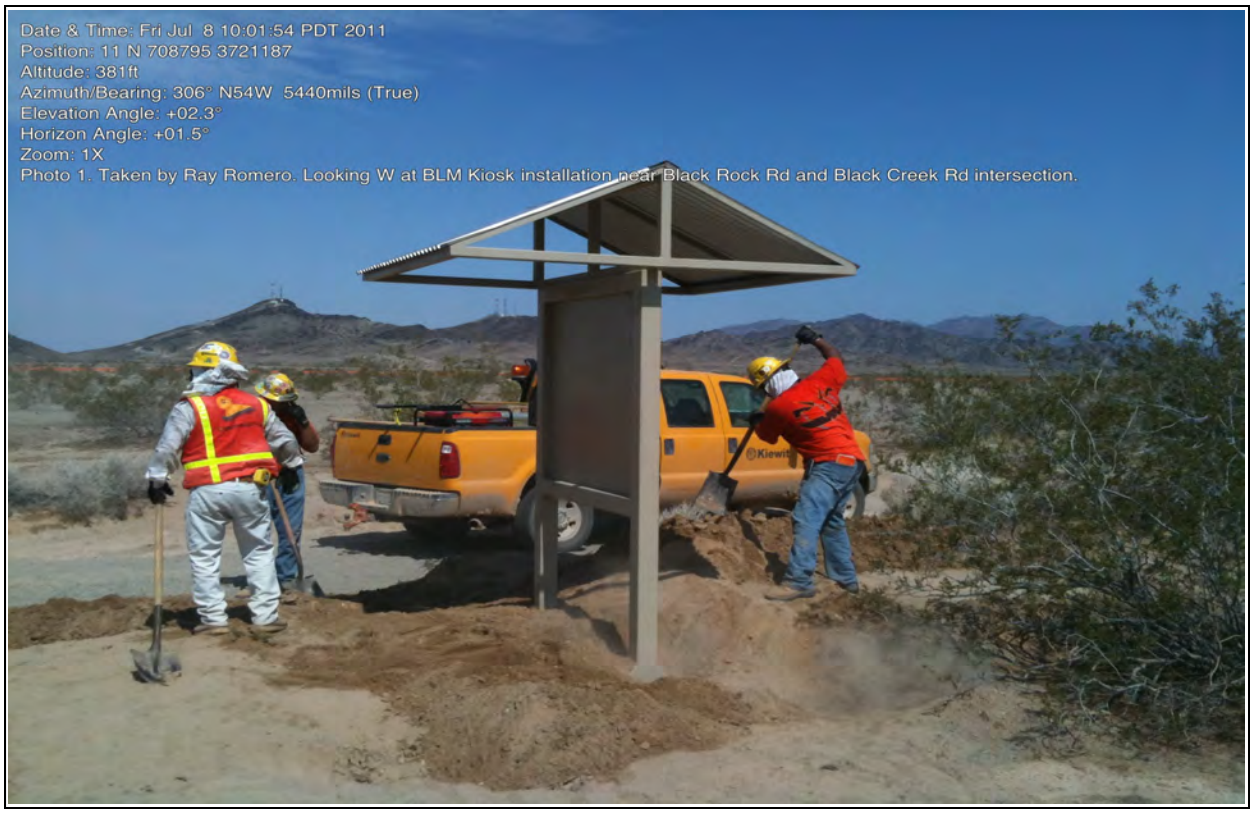
ATTACHMENT 3

PHOTOS

Looking south at clearing and grubbing in Shared Facilities. 07/01/2011

Looking southeast at Shared Facilities after completion of clearing and grubbing.

Looking north at DT fence repair following monsoon rains. 07/07/2011



Looking west at BLM kiosk installation near Black Rock Rd. and Black Creek Rd. intersection. 07/08/2011

Oil spill clean-up at Main Rd. 07/14/2011

Oil spill clean-up completed at Main Rd. 07/14/2011

Desert kit fox at burrow BMAJR301 in Shared Facilities 07/14/2011

Installed one-way exclusion door at kit fox burrow BMAJR301 07/19/2011

Looking south at ESA Botany 4 fence installation. 07/18/2011

Looking west at completed ESA Botany 9 fencing. 07/18/2011

Designated Biologist scoping desert kit fox burrow BMAJR301 after successful passive relocation. 7/22/11

Hand-excavation of soil around kit fox burrow after initiation mechanical excavation. 07/22/2011

Backhoe excavation of kit fox burrow BMAJR301after successful passive relocation. Note escape tube. 07/22/2011

Replaced one-way exclusion door in desert kit fox at burrow BMAJR301 until excavation can resume. 07/22/2011

Looking south at fencing around newly created kit fox burrows in Shared Facilities, BMAMI202. 07/22/2011

Looking southeast at newly occupied kit fox burrow BMAMI202 in Shared Facilities 07/29/2011

Looking northwest at clearing and grubbing in Shared Facilities 07/29/2011

ATTACHMENT 4

DAILY BIOLOGICAL MONITORING LOGS

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	TINA POOLE	*Date:*	1 JULY 2010
Starting Location and Activity:	SHARED SERVICES CLEAR & GRUB	*Site Code:*	Blythe
Weather:	CLEAR, CALM, HOT	*Start* 07:00 AM	*Midday* 11:00
			End 1:00 PM
Rainfall? Y (N)	*Temp:* ℉	73°	97°
	% Cloud Cover:	0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☐Yes ☐ No ☑ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	BLM KIOSK ON BLACK ROCK RD.
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	Well yard 0700, 1300
L) Road kill removed, note species/location	☑Yes ☐ No ☐ N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☐ No ☑ N/A	None
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☐ No ☑ N/A	FEE PAID
R) Special status species observed? Describe	☑Yes ☐ No ☐ N/A	NONE
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	INSPECTED DT FENCE IN PHASE 1, SHARED SERVICES, COLLECTOR, WELL YARD.

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Tina S. Poole

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed

Species	Activity (of species)	Location
Loggerhead Shrikes 2	Flying, foraging	Shared Services
Horned Lizards	Resting, Running, RAKED outside FENCE	"
Whiptails	Foraging	"
Coachwhips	Running	"
Side blotched	Foraging	"
K-rats	Uncaptured, running across road	"
Yellow banded gecko	Uncaptured	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT[1]	LOC[2]	Notes/Comments	CL[3]
0600	8	5	DAILY MORNING MEETING AT KIEWIT OFFICE, DISCUSSING POD; STRETCH-N-FLEX. CLEAR AND GRUB TO CONTINUE IN SHARED SERVICES AND CONSTRUCTION OF BLM KIOSK ON BLACK ROCK RD.	1
0700	3	6	CLEAR AND GRUB IN SHARED SERVICES, ACTIVITY SUPPORTED BY 2 WATER TRUCKS FOR DUST CONTROL. MONITORED THROUGOUT EFFORT.	
0745	9	7	LOADER CALLED OFF CLEAR + GRUB IN SHARED SERVICES TO BRING LOAD OF GRAVEL TO BLM KIOSK INSTALL ON BLACK ROCK ROAD. FENCE INSPECTED AROUND UNIT 1, SHARED SERVICES WELL YARD. INSPECTED WELL YARD, EVERYTHING IN GREAT SHAPE.	1
1000	3	6	CLEAR AND GRUB BEGAN AGAIN IN SHARED SERVICES. *APPROXIMATE CLEAR+GRUB OF ≈ 4.7 acres.	1
1300			END OF DAY, CREWS DEPARTED A BIT EARLY FOR MEETING AT OFFICE.	1

Activity (ACT)[1]
1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify)
9. mtg KIOSK

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Kiewit office
6. Other Shared Services
7. Other BLACK ROCK RD.

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: Jena S. Poole

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	[illegible]	***Date:***	7/6/11	
Starting Location and Activity:	Main Rd	***Site Code:***	Blythe	
Weather: Monsoon last night, morning, hot	Cloudy, rain/a	***Start*** 6:00 AM	***Midday*** 12:00	***End*** 2:00 PM
Rainfall?	***Temp:***	79	96	98
(Y) N	***% Cloud Cover:***	70	60	60

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☐Yes ☑ No ☐ N/A	some standing H2O. Monsoon last night
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	no roadkill seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☐Yes ☑ No ☐ N/A	Fencing down in some areas. Currently being repaired.
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☐Yes ☑ No ☐ N/A	Fencing down in some areas due to monsoon. Currently being repaired.

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: [signature]

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
turkey vulture	flying	Mainroad
mourning dove	"	"
Swainson's hawk	"	"
dragonflies	"	"
round tail squirrel	running	"
rock mammal	burrows	"
ants	foraging	"
short nosed snake	"	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
550	8	5	Mtg safety plan for day, stretch/flex. Plan to continue clear/grub in Shovel facilities. Perform fence inspection after monsoon rains last night.	1
800	7	6	Several repairs needed along DT/silt fence of Mainroad. Monsoon rains resulted in fence/t-posts being knocked over & under cutting of fence. Entire haul crew is focusing on fence repairs. Damage to fencing was photo documented. Crew working from N to S making repairs. t-posts in some areas will need to be replaced.	
1130	6	3	Coord w/ Dan on UXO clearance survey being scheduled. Myself & Arch will clear area & identify access route tomorrow.	
1400	7	6	Crew complete work today. Plan to continue fence repairs tomorrow. Depart site.	

Activity (ACT)[1]
1. *DT Fencing*
2. *Access/egress*
3. *Clear/grub*
4. *Grading*
5. *Excavation*
6. *UXO Activities*
7. *SWPPP*
8. *Other (specify)* Mtg

Location (LOC)[2]
1. *DT Fence*
2. *Well Site*
3. *Access Road*
4. *Drainage Crossings*
5. *Other* Haul Route
6. *Other* Mainroad
7. *Other* _____

Compliance Levels (CL)[3]
1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature: [signature] 7/6/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		***Date:***	7/7/11
Starting Location and Activity:	Main Rd		***Site Code:***	***Blythe***
Weather:	clear, sunny, breezy, hot	***Start*** 6 : 00 AM	***Midday*** 12 : 00	***End*** 2 : 00 PM
Rainfall?	***Temp:***	82	98	101
Y (N)	***% Cloud Cover:***	2	25	25

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	***Compliance?***	***Comments***
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☐Yes ☑ No ☐ N/A	few puddles remain due to monsoon rains. Drying out quickly
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	NO seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	repairs being made due to rains
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☐Yes ☑ No ☐ N/A	repairs being made today

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Ray Romero

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
turkey vulture	flying	Main Rd
western whiptail lizard	foraging	"
side blotched lizard	foraging	"
black-tailed gnatcatcher	flying	"
ants	foraging	"
sm mammal	burrows	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
550	8	5	Mtg - safety, plan for day, stretch/flex. Plan to continue performing DT fence repairs along Main Rd. Fence damaged due to recent monsoon rain event resulting in erosion & knocking down fence in areas.	1
815	6	7	Myself, UXO, BLM 3rd party monitor & Arch looked over two sites planned for UXO clearance. Designated routes to sites & performed recon of areas intended for UXO clearance. Plan to perform protocol surveys once UXO grid is established & area is clearly defined for UXO clearance.	
1100	1	6	Monitoring DT fence repairs & grading of Main Rd ROW after monsoon rains.	
1300	1	6	Coord w/ Kiewit on work activities.	
1400	1	6	Work completed for day. Depart site.	

Activity (ACT)[1]
1. *DT Fencing*
2. *Access/egress*
3. *Clear/grub*
4. *Grading*
5. *Excavation*
6. *UXO Activities*
7. *SWPPP*
8. *Other (specify)* Mtg

Location (LOC)[2]
1. *DT Fence*
2. *Well Site*
3. *Access Road*
4. *Drainage Crossings*
5. *Other* Kiewit Office
6. *Other* Main Rd
7. *Other* UXO Site

Compliance Levels (CL)[3]
1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature: [signature] 7/7/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		**Date:**	7/8/11
Starting Location and Activity:	Main Rd		**Site Code:**	Blythe
Weather:	Clear, sunny, hot, no wind, humid	**Start** 6 :00 AM	**Midday** 12 :00	**End** 2 :00 PM
Rainfall? Y (N)	**Temp:**	81	105 ~~105~~ 103 PR	105
	% Cloud Cover:	5	30	30

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	no roadkill seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	Repairs completed
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	Repairs completed

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Ray Romero

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
western whiptail lizard	foraging	Main Rd
Gambels quail	running / flying	"
ants	foraging	"
sm mammal	burrows	"
cicadas	chirping	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
550	8	5	Mtg- safety plan for day, started clearing to complete repairs of fencing along Main Rd. Grader will fill in areas that were washed out. Temp fencing across ROW will be secured. BLM kiosk will be installed @ Blackrock & Black Creek Rd intersection. Check dams will be repaired.	1
800	7	6	Work along Main Rd - repairs of fence & silt fence. Backfill w/ backhoe.	
1015			BLM kiosk installation complete. See Photo 1.	
1300	7	6	Continued work along Main Rd - backfilling soil lost to erosion during recent monsoon rains. Work completed for day; depart site.	

Activity (ACT)[1]
1. *DT Fencing*
2. *Access/egress*
3. *Clear/grub*
4. *Grading*
5. *Excavation*
6. *UXO Activities*
7. *SWPPP*
8. *Other (specify)* Mtg

Location (LOC)[2]
1. *DT Fence*
2. *Well Site*
3. *Access Road*
4. *Drainage Crossings*
5. *Other* Depart Office
6. *Other* Main Rd
7. *Other* _____

Compliance Levels (CL)[3]
1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature: _____ 7/8/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	[illegible]		***Date:***	7/11/11
Starting Location and Activity:	Main Rd		***Site Code:***	Blythe
Weather:	hot, humid, windy	***Start*** 5:00 AM	***Midday*** 10:00	***End*** 1:30 PM
Rainfall? Y (N)	***Temp:***	77	98	102
	% Cloud Cover:	40	65	65

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	no roadkill
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: [signature]

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
turkey vulture	flying	Mawrd
white winged doves	"	"
zebra tailed lizard	running	"
side blotched lizard	"	"
kit fox	burrows, scat	"
sm mammal	burrows	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
800			Coord w/ bio staff. Load out for DT clearance survey of Mawrd. Starting N to S.	1
1000-1130			Escort BCM staff around ROW. Answer questions. They are also interested in speaking to Patent. Provided contact info.	
1130-1230			Spot check clear & grub in shared facilities.	
1240			Coord w/ bio staff re prep of setting up wildlife cameras @ kit fox burrows.	
1400			Coord w/ EOD staff. They will be setting up grid system. I will survey both sites tomorrow.	
1515			Depart site.	

Activity (ACT)[1]

1. *DT Fencing*
2. *Access/egress*
3. *Clear/grub*
4. *Grading*
5. *Excavation*
6. *UXO Activities*
7. *SWPPP*
8. *Other (specify)*

Location (LOC)[2]

1. *DT Fence*
2. *Well Site*
3. *Access Road*
4. *Drainage Crossings*
5. *Other* _____
6. *Other* _____
7. *Other* _____

Compliance Levels (CL)[3]

1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature: _____ 7/11/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		***Date:***	7/12/11
Starting Location and Activity:	Staged Equip / UXO		***Site Code:***	***Blythe***
Weather:	Clear sunny hot slight breeze	***Start*** 5 00 ***AM***	***Midday*** 10 :00	***End*** 1 :30 ***PM***
Rainfall? Y (N)	***Temp:***	80	99	103
	% Cloud Cover:	0	0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

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For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	none seen
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Ray Romero

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
Black-tailed prairie dog	flying	UXO site
Zebra-tailed lizard	foraging	"
Loggerhead shrike	sudden turns	"
Small mammal	foraging	"
Side-blotched lizard	foraging	"
Black-tailed hare	scat	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
0450	8	5	Mtg - safety plan, stretch (FLA. Krewit plans to continue clear/grub in SS. Other crew will make minor silt fence repairs along Main Rd.	1
~~0630~~ RR ~~0700~~	3	6	Spot check clear/grub in SS.	
0700 -	6	7	Perform survey of UXO site on West side.	
0830			See field forms.	
0900 -	6	7	Monitoring UXO clearance activities.	
1100				
1130 -	3	6	Monitoring clear/grub in shared services.	
1330				
1400			Attend 3 wk look ahead mtg.	
1430			Depart Krewit Office.	

Activity (ACT)[1]
1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) Mtg

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Krewit Office
6. Other Shared Services
7. Other UXO Sites

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: [signature] 7/12/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		**Date:**	7/13/11	
Starting Location and Activity:	Main Rd		**Site Code:**	**Blythe**	
Weather:	clear, sunny, hot no wind	**Start** 5 :00 **AM**	**Midday** 11 : 00	**End** 1 :30 **PM**	
Rainfall?	**Temp:**	81	98	~~96~~ 100 RR	
Y (N)	**% Cloud Cover:**	0	0	0	

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Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	**Compliance?**	**Comments**
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☐Yes ☑ No ☐ N/A	standing H2O @ Klein tank Kiewit will place more rock
L) Road kill removed, note species/location	☑Yes ☐ No ☐ N/A	K-rats from clearing
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Ray Romero

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
Western ? rat	dead, running	Main Rd
zebra-tailed lizard	running	"
white winged doves	flying	E access rd.
Gambel's quail	running	Black Creek Rd - near UXO
dragonfly	flying	Main Rd
desert iguana	running	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
650	8	5	Mtg - safety, plan for day, stretch flex. Plan to	1
			start clear/grub of N section of Main Rd.	
			Other crew will remove temp fencing	
			across Main Rd near Arena & continue	
			SWPPP (silt fence) repairs.	
700	1	6	Monitoring temp fence removal near Arena &	
			clear/grub @ Main Rd.	
815	6	7	Check in & monitor UXO activities near	
			Black Creek Rd.	
0900-1030			Escort Kiewit to ESA Botany locations. Only	
			had enough time to look @ Bot 4 & 5. Plan	
			to look at other 4 ESA locations tomorrow.	
1100			Coord & meet w/ Matt T. Looking over	
			ESA area near Kokopelli.	
1200	3	6	Coord w/ Mario & Chris on clear/grub of Main Rd.	
			Monitoring activities along Main Rd.	
1330			Work completed for day. Depart site.	

Activity (ACT)[1]
1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) Mtg

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Kiewit office
6. Other Main Rd
7. Other UXO

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: [signature] 7/13/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	[illegible]		***Date:***	7/14/11
Starting Location and Activity:	Main Rd / UXO		***Site Code:***	Blythe
Weather:	clear, sunny, hot, windy	***Start*** 5:00 ***AM***	***Midday*** 11:00	***End*** 1:30 ***PM***
Rainfall? Y (N)	***Temp:***	79	95	
	% Cloud Cover:	0	0	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
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For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☐Yes ☑ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	Rock placed @ Klein tank
L) Road kill removed, note species/location	☑Yes ☐ No ☐ N/A	K-rat buried
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☑Yes ☐ No ☐ N/A	Backhoe ran over ironwood tree. Punctured oil tank. Oil was cleaned up. See photos.
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: [signature]

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
western whiptail lizard	running	Main Rd (UXO
side blotched lizard	running	"
Merriam's K-rat	dead	"
side winder	coiled	relocated from Main Rd
ferruginous hawk	flying	Main Rd
red-tailed hawk	flying	E. access rd
white winged doves	flying	"
sm mammal	burrows	main Rd / UXO
DT scat	scat	UXO
DT bones	bones	UXO

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
600	8	5	Mtg - safety, plan, stretch/flex. Plan to continue clear & grub of Main Rd & make minor repairs to fence.	1
800	6	6	Perform survey of UXO eastern site. Found DT bone. See field forms.	
900	3	7	Backhoe ran over ironwood tree branch that punctured oil pan. Cleaned up site & properly stored & disposed of contaminated soil. See photos.	
1130	3	7	Use of grader to perform clear/grub of Main Rd. Monitoring activities. Coord w/ Kewit & Awardee to look @ ESA locations first thing tomorrow morning.	
1315			Work completed for day. Depart site.	

Activity (ACT)[1]		*Location (LOC)*[2]		*Compliance Levels (CL)*[3]
1. DT Fencing	5. Excavation	1. DT Fence	5. Other ~~UXO~~ Kewit office	1. Acceptable
2. Access/egress	6. UXO Activities	2. Well Site	6. Other UXO	2. Notification
3. Clear/grub	7. SWPPP	3. Access Road	7. Other Main Rd	3. Non-compliance
4. Grading	8. Other (specify) Mtg	4. Drainage Crossings		4. Non-compliance Resolution

Signature: [signature] 7/14/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	[illegible]		***Date:***	7/15/11
Starting Location and Activity:	Main Rd.		***Site Code:***	Blythe
Weather:	Hot sunny	***Start*** 4:50 AM	***Midday*** 10:00	***End*** 1:30 PM
Rainfall? Y (N)	***Temp:***	84	~~101~~ 99RR	104
	% Cloud Cover:	0		

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

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For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	***Compliance?***	***Comments***
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☐Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: [signature]

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
horned lizard	running	Black Creek rd
western whiptail lizard	running	"
Gambels quail	running	"
ants	foraging	"
sm mammal	burrows	"
round tailed ground squirrel	running	"
desert iguana	running	Mauldin.

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT[1]	LOC[2]	Notes/Comments	CL[3]
450	8	5	Safety, plan of day, stretch/flex. Plan to remove temp fencing along Main Rd, clear/grub routes for H_2O line in SS, repair backhoe, check ESA Bots 4-9 locations.	1
600	1	7	Arandeep & John with me to check out ESA Bot 4-9 locations. Mark paths to locations w/ lathe staking	
0830	6		Complete work on ID Bot locations. Spot check UXO ~~KE~~ clearance surveys.	
0900			Spot check clear/grub work in SS. Point out DKF burrow w/ camera to operators (tb otr & grader). Requested to keep away from burrow.	
0930			Met w/ CR crew. John w/ SWCA w/ me to ID CR sites near cobble stone terrace & off dirt rd to translocation site. I surveyed sites for sensitive Bio resources. None observed at sites.	
1300			Completed surveys for CR sites & depot site.	

ESA

Activity (ACT)[1]
1. ~~DT Fencing~~
2. *Access/egress*
3. *Clear/grub*
4. *Grading*
5. *Excavation*
6. *UXO Activities*
7. *SWPPP*
8. *Other (specify)* Mtg

Location (LOC)[2]
1. *DT Fence*
2. *Well Site*
3. *Access Road*
4. *Drainage Crossings*
5. *Other* Krevit office
6. *Other* Yard Services
7. *Other* ESA-Bot 4-9

Compliance Levels (CL)[3]
1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature: [signature] 7/15/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		***Date:***	7/18/11
Starting Location and Activity:	ESA Bat 4,5,9		***Site Code:***	Blythe
Weather:	Partial clouds, Light breeze, hot	***Start*** 4:50 AM	***Midday*** 10:00	***End*** 1:30 PM
Rainfall? Y (N)	***Temp:***	86	99	106
	% Cloud Cover:	20	30	30

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☑Yes ☐ No ☐ N/A	sidewinder in well yard
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	No spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☑Yes ☐ No ☐ N/A	DT bones, DT burrow
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Ray Romero

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
desert tortoise	bones	ESA Bot 4
desert kit fox burrow	burrows, scat	ESA Bot 5
western whiptail, greater roadrunner	flying	"
zebra-tailed lizard	running	Main Rd
Say's phoebe	burrows	Black Creek Rd
ants	foraging	"
unknown species	nest	ESA Bot 4

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT[1]	LOC[2]	Notes/Comments	CL[3]
450	8	5	Safety plan, stretch/flex. Plan to install ESA fencing @ Bot 4, 5 & 9, continue clear & grub within ESA Main Rd w/ backhoe. CR surveys & UXO clearance continuing this week.	1
600	1	6	Fencing @ ESA Bot 4. Top half (2 ft) attached to t-posts (bottom half) left open to allow for waterflow & debris to pass. Potential inactive nest in Palo Verde near Bot 4. No young or adults seen or heard. DT bones detected near Bot 4 also.	
900	1	6	Fencing @ ESA Bot 5. Fencing layout similar to Bot 4. DKF burrow found near Bot 5. Scat near burrow.	
1200	1	6	Fencing @ ESA Bot 9. Fully fenced w/ 4 ft tall snow fence & fully enclosed. No sensitive wildlife species sign observed.	
1315	1	6	Completed fencing & departed site.	

ESA

Activity (ACT)[1]
1. ~~DT~~ Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) n/a

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Kwait Fence
6. Other ESAs 4, 5 & 9
7. Other _____

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: _____ 7/13/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		***Date:***	7/19/11
Starting Location and Activity:	ESAS		***Site Code:***	***Blythe***
Weather:	Clear/sunny hot, windy	***Start*** 5:00 ***AM***	***Midday*** 10:30	***End*** 1:30 ***PM***
Rainfall?	***Temp:***	85	98	108
Y (N)	***% Cloud Cover:***	0	0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

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For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	none observed
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills reported
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Ray Romero

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
zebra tailed lizard	running	Main Rd.
black tailed gnatcatcher	foraging in tree	ESA
road runner	running	[illegible]
side blotched lizard	running	ESA
sm mammal	burrows	ESA
desert iguana	[illegible]	ESA
ants	foraging	ESA

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
0450	8	5	Mtg - Safety, day activity, stretch ex. Plan to continue clear grub of Main Rd, ESA fence installation, dust control. Crew will remove temp fence across Main Rd Route [illegible].	1
0800	1	6	Install fencing around ESA Bot 8. No sensitive wildlife or sign observed. Photo taken of fence completion. Combo of 1/2 & full length fence. Entire ESA boundary was fenced. Hand carried materials to sites.	
1100	1	6	Install fencing around ESA Bot. 7. No sensitive wildlife or sign observed. Combo of 1/2 & full width fence. Entire ESA boundary was fenced. Photo taken of fence completion. Plan to install fence @ Bot 6 tomorrow.	
1245	3	7	Spot check clear/grub activities on Main Rd.	
1310	3	7	Work completed today. Depart site.	

ESA

Activity (ACT)[1]
1. ~~DT~~ Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) Mtg

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Yout office
6. Other ESA
7. Other Main Rd

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: [signature] 7/19/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero	**Date:**	7/20/11	
Starting Location and Activity:	Wellyard, Main Rd	**Site Code:**	**Blythe**	
Weather:	Clear, sunny, hot, no wind	**Start** 4:30 **AM**	**Midday** 10:00	**End** 1:30 **PM**
Rainfall?	**Temp:**	85	102	109
Y (**N**)	**% Cloud Cover:**	0	0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

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For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section

Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	No roadkill seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signatures: [signature]

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
roadrunner	foraging, running	Yard
ants	foraging	"
sm. mammal	burrows	"
night hawk	flying	ESA Lot 6
[illegible]	[illegible] tree	"
desert woodrat	animal burrow, scat	"
ants	foraging / mound	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
0450	8	5	Mtg – safety, plan, stretch flex. Replace plastic sheeting under equip. Review [illegible] ripped sheeting. Clear/grub along Main Rd. Fence ESA Lot 6. Remove fencing around SS & Unit 1.	1
0630			Replacing plastic sheeting under equip in well yard.	
1000	1	7	Fencing ESA Lot 6. Resurveyed area. No sensitive wildlife or sign observed in immediate area. Photo taken of completed fence.	
1145	1	7	Fencing of ESA Lot 6 complete. Coord w/ [illegible] regarding ESAs. Depart area to spot check UXO activities & clear grub on Main Rd.	
1215	3	3	Monitoring clear/grub activities w/ backhoe along Main Rd.	
1300	3	3	Work completed for day. Depart site.	

Activity (ACT)[1]
1. ~~DT~~ ESA Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) Mtg

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Unit office
6. Other Well yard
7. Other ESA

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: [illegible] 7/20/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		***Date:***	7/22/11
Starting Location and Activity:	Shared services		***Site Code:***	Blythe
Weather:	Clear sunny hot, slight wind	***Start*** 5:00 AM	***Midday*** 10:00	***End*** 1:00 PM
Rainfall? Y (N)	***Temp:***	86	98	104
	% Cloud Cover:	0	0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	none noted
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☑Yes ☐ No ☐ N/A	small spill – 4" puddle in SS during trench burial excavation w/backhoe. Cleaned up immediately & stored properly.
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Ray Romero

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
~~Kit~~ Kit Fox	Burrows/tracks/scat	Shared Services
Sm mammal	burrow	"
sideblotched lizard	running	"
desert iguana	"	Main Rd.
Gambels quail	running	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
630	5	5	Excavation of ~~Kit~~ Kit fox burrow in Shared Services. I checked & removed one way door, scoped burrow & placed tubing within burrow. Monitored activity—backhoe excavating burrow. I adjusted tubing & rescoped burrow.	1
745	5	5	Stopped excavation work. Kcwt's dig permit only good for 4 ft deep. Need to modify permit. Also need Paleo onsite for excavations 5 ft or deeper. Am on/off present during excavation. Anticipate 1–2 wks to obtain new permit.	
900	1	6	Checking on crew installing ESA signs.	
1000	1	6	ESA sign installment complete.	
1100	5	5	Fencing around Kit fox burrow.	
1130	5	7	Cleaning out silt buildup due to recent monsoon under cattleguard @ Black Rock Rd.	
1245	5	7	Work completed for day, depart site.	

ESA

Activity (ACT)[1]
1. ~~DT~~ Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify)

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Shared Services
6. Other ESA
7. Other Main Rd

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: [signature] 7/22/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	[illegible]		***Date:***	7/25/11
Starting Location and Activity:	Main Rd		***Site Code:***	Blythe
Weather:	Cloudy, hot, windy	***Start*** 5:00 AM	***Midday*** 10:00	***End*** 1:30 PM
Rainfall?	***Temp:***	86	96	104
(Y) N Sprinkles	***% Cloud Cover:***	60	40	40

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

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In emergencies, dial 911

General Monitoring Section

Condition	***Compliance?***	***Comments***
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: [signature]

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
mourning dove	flying	Main rd
turkey vulture	"	"
western whiptail lizard	running	"
side blotched lizard	"	"
white winged dove	flying	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
450	8	5	Mtg- safety, plan for day, stretch/flex. Plan to continue clear/grub within Main Rd ROW, laborers adding DT fence along edges of cattle guards leading into ROW. Survey crew setting up to the staking to demarcate Phase 1B Boundary.	1
600	1	6	Working w/ Kiewit to place DT fencing along cattle guards. Placing new tape at cattle guards also.	
1130	1	6	Work on cattle guards complete.	
	3	6	Spot check clear/grub w/ backhoe. Approx 0.25 mile from Black Rock Rd. Almost complete.	
1210			Check on Kit Fox runway doors & cameras. All in order.	
1300	3	6	Clear/grub completed along Main Rd. Depart site.	

Activity (ACT)[1]
1. *DT Fencing*
2. *Access/egress*
3. *Clear/grub*
4. *Grading*
5. *Excavation*
6. *UXO Activities*
7. *SWPPP*
8. *Other (specify)* mtg

Location (LOC)[2]
1. *DT Fence*
2. *Well Site*
3. *Access Road*
4. *Drainage Crossings*
5. *Other* Kiewit office
6. *Other* Main Rd
7. *Other* _____

Compliance Levels (CL)[3]
1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature: [signature] 7/25/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	[illegible]	***Date:***	7/26/11	
Starting Location and Activity:	Shared services	***Site Code:***	***Blythe***	
Weather:	clear, sunny, hot	***Start*** 5:00 AM	***Midday*** 6:00	***End*** 1:00 PM
Rainfall? Y (N)	***Temp:***	85	97	105
	% Cloud Cover:	0	0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	***Compliance?***	***Comments***
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: [signature]

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
white winged dove	flying	E. access rd
western meadowlark	foraging	shared services
side-blotched lizard	foraging	"
kit fox	burrow/scat	"
Sm. mammal	burrows	"
harvester ants	foraging	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
450	8	5	Mtg - safety, plan for day. Stretch/flex. Plan to continue clearing in SS. Surveyors will continue staking out phase 1B. Laborers will perform any necessary maintenance of silt fence in Unit 1.	1
900	3	6	Clear & Grub of SS. Crew working on silt fence repairs.	
1100			I pulled wildlife cameras from DKF burrows. Placed lathe stakes around area & informed field staff. Checked on one way door @ original DKF burrow. Door intact.	
1300	3	6	Work completed for day. Departed site.	

Activity (ACT)[1]
1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) ntg

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Mount. Office
6. Other Shared Services
7. Other _____

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: _____ 7/26/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		***Date:***	7/27/11
Starting Location and Activity:	Main Rd (Shared Services)		***Site Code:***	***Blythe***
Weather:	clear, hot, slight wind	***Start*** 5:00 ***AM***	***Midday*** 10:00	***End*** 1:00 ***PM***
Rainfall?	***Temp:***	86	97	106
Y (N)	***% Cloud Cover:***	15	20	20

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	***Compliance?***	***Comments***
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	no spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Ray Romero

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
White winged dove	flying	E accessrd
desert iguana	running	Black Creek Rd
western whiptail lizard	foraging	Shared Services
side blotched lizard	running	"
sm mammal	burrows	"
kit fox	burrows/tracks	"
tarantula hawk	flying	"
ants	mounds	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	*ACT*[1]	*LOC*[2]	*Notes/Comments*	*CL*[3]
450	8	5	Mtg - Safety, plan for day, stretch Clk. Plan to continue clear/grub in Shared Services & perform silt fence repairs. Backhoe being used to remove vegetation in SS.	1
1000			Spot check UXO crews in Phase 1B.	
1100			Look over staking of W. section of Phase 1B. ID existing routes in relationship to staking in prep for bio surveys next wk.	
1300	AM 3	6	Work completed for day. Depart site.	

Activity (ACT)[1]
1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) Mtg

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Equip Access
6. Other Shared Services
7. Other _____

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: [signature] 7/27/11

Biological Monitor:	Ray Romero		**Date:**	7/28/11	
Starting Location and Activity:	Shared Services		**Site Code:**	Blythe	
Weather:	Sunny, Partial Clouds, hot	**Start** 5:00 AM		**Midday** 10:00	**End** 1:00 PM
Rainfall? Y (N)	**Temp:**	85		95	101
	% Cloud Cover:	20		25	25

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☑Yes ☐ No ☐ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☑Yes ☐ No ☐ N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☑Yes ☐ No ☐ N/A	
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	
L) Road kill removed, note species/location	☐Yes ☑ No ☐ N/A	None seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☐Yes ☑ No ☐ N/A	No Spills
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	
Q) Cacti salvaged	☐Yes ☑ No ☐ N/A	
R) Special status species observed? Describe	☐Yes ☑ No ☐ N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☐Yes ☐ No ☐ N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Incidental Species Observed

Species	Activity (of species)	Location
desert iguana	running	Black Creek Rd
turkey vulture	flying	Shared Services
kit fox burrow	burrow/holes	"
ants	mounds	"
white winged dove	flying	E. accessrd
loggerhead shrike	flying	"
SM mammal	burrows	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT[1]	LOC[2]	Notes/Comments	CL[3]
0600	3	5	Spot check clear/grub in SS.	1
0900			Orqual DKF burrow excavation. Completed	
0830			excavation. Hole was properly ~~benched~~ benched for entry. Backfilled afterwards.	
			Completed Daily Excavation Checklist.	
			Hewit Sup (John Upton) present	
			as "competent person" witnessing &	
			directing excavation.	
1030			Check and Phase 1B staking locations.	
			Spot check UXO crew working	
			in Phase 1B. Coord w/BLM monitor.	
1210	3	5	Monitoring clear/grub in SS. Use	
			of backhoe to perform this task.	
			Laborers working on silt fence repairs.	
1300			Work complete for day. Depart site.	

Activity (ACT)[1]
1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify)

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Shared Services
6. Other _____
7. Other _____

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: [signature] 7/28/11

Daily Biological Monitoring Log – Blythe Solar Power Project
Solar Millennium BSPP Phase 1A Construction
USFWS Biological Opinion FWS-ERIV-09B0186-10F0880
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	TINA POOLE	*Date:*	29 JULY 2011	
Starting Location and Activity:	South side shared services, clear + grub	*Site Code:*	Blythe	
Weather:	SUNNY, HUMID	*Start* 6:00AM	*Midday* 10:00	*End* 1:00 PM
Rainfall? Y (N)	*Temp:* °F	88	98	106
	% Cloud Cover:	20	25	30

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
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For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section

Condition	*Compliance?*	*Comments*
A) Site checked for biota prior to construction?	☑Yes ☐ No ☐ N/A	
B) Speed limit 25mph, no off road activity	☑Yes ☐ No ☐ N/A	Reminded crews to observe 25mph or less
C) Crew trained on biological minimization measures?	☑Yes ☐ No ☐ N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	☑Yes ☐ No ☐ N/A	
E) Night lighting avoids wildlife habitat	☐Yes ☐ No ☑ N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	☐Yes ☐ No ☑ N/A	
G) Vehicles/equipment checked for DT prior to movement	☑Yes ☐ No ☐ N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	☑Yes ☐ No ☐ N/A	
I) Construction outside of DT exclusion fence with AB/BM present	☐Yes ☐ No ☑ N/A	None
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	☐Yes ☐ No ☑ N/A	None
K) No standing water, note check times/locations	☑Yes ☐ No ☐ N/A	Water tank AM/PM
L) Road kill removed, note species/location	☑Yes ☐ No ☐ N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	☑Yes ☐ No ☐ N/A	Notified at 0930 of oil cleanup beneath water tank by J. Lyden. Water tank to be serviced 7/30/11.
N) Trash/food in sealed containers, removed daily	☑Yes ☐ No ☐ N/A	
O) No pets/firearms/weapons, wildlife not fed	☑Yes ☐ No ☐ N/A	
P) Erosion control (eg. silt fences) present and functioning	☑Yes ☐ No ☐ N/A	REPAIRS MADE WHERE NEEDED
Q) Cacti salvaged	☑Yes ☐ No ☐ N/A	NONE
R) Special status species observed? Describe DKF	☑Yes ☐ No ☐ N/A	FOUND PAIR IN SS AND ALONG NORTH FENCE LINE OF IB
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	☑Yes ☐ No ☐ N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	☑Yes ☐ No ☐ N/A	ALL DT FENCING INTACT

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Tina S. Poole

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	**Activity (of species)**	**Location**
Myotis spp.	Returning to roost at dawn	Mesa Dr access road.
Cooper's hawk shrikes	Flight	well yard
2-Ravens	Flight	near well yard

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT[1]	LOC[2]	Notes/Comments	CL[3]
0500	8	6	Meeting at Kiewit office, stretch-n-flex, POD - UXO clearance continuing in Phase 1B - DTF staking along north fence line of Phase 1B - Clear/grub in Shared Services	1
0545	3	7	Located DKF burrow in SS, observed both individuals (photo)	1
0600	3	7	Clearance/monitoring in SS clear/grub	1
0745	1	2,5,7,8	Informed of DKF observed on north fenceline by John Upton. Inspected fenceline along 1A & well yard & SS.	1
0830	3	2	Watertruck loaded and transported off-site. Informed of gear oil clean-up beneath watertank - clean up.	1
0900	1	5	Located 5 DKF den sites along north fenceline of phase 1B. 3 - very old, 1 - with some recent sign, another obviously occupied - fresh scat, urine, and tracks.	1
1030	3	7	Continued monitoring of SS clear/grub	1
1300	—	2	Crews departed site. ~60% completion (3.25 acres today) in Shared Services.	1

Activity (ACT)[1]
1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) morning mtg.

Location (LOC)[2]
1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other North DTF line of B1
6. Other Office
7. Other Shared services
8. Other Phase 1A, fence

Compliance Levels (CL)[3]
1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: Tina S. Bell

Follow up to Kiewit John Upton's sightings along Phase 1B DTF staking.

BKBTP001 - Potentially Active - tracks inside openings
BKBTP002 - Occupied - fresh scat, urine(wet) and tracks
BKBTP003 - Deteriorated
BKBTP004 - Deteriorated
BKBTP005 - Deteriorated

ATTACHMENT 5

PRE-CONSTRUCTION SURVEY DATA FORMS

BSPP

Desert Tortoise Clearance Survey Datasheets

July 2011

N/S To bend: | E/W to [illegible]

0708350	SD ✓	370	MR	390	SD	~~410~~	~~SD~~	~~410~~		310	MR ✓	330 CD ✓	
355	MR ✓	375	SD	~~395~~	~~MR~~	~~415~~	~~C~~	~~415~~		315	MR ✓	335 SD ✓	
360	MR ✓	380	CD	~~400~~	~~MR~~	~~400~~	~~MR~~	3725300	CD ✓	320	SD ✓	340 MR ✓	
365	SD ✓	385	CD	~~405~~	~~SD~~	~~405~~	~~SD~~	305	SD ✓	325	CD ✓	345 MR ✓	

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 7/11/11 Construction to begin: 7/13/11 Page 1 of ~~2~~ 3

Site: Blythe Location: Main Access Road, North Size of Survey Area: 40.5 Proposed Activity: Clear & grub

Pass 1/2/3	Survey Direction	UTM Start	UTM End
1	(N)/S (easting)	0708350	0708390
~~1~~ 2	E/W (northing)	3725300	3726045
1	Other N/S	0708140	0708195

	Time	Ambient Temp*	mph Wind	Weather % Cloud rain to east
Start	6:33	85.4°F	5-10 from S	75% CC, humid
Mid-day	10:56	99°F	10-12	20% CC
End	13:14	103°F	8-10	10% CC

Surveyor	AB/BM	GPS	GPS w/ Data?
S Dunn	AB/(BM)	1ND2	(Y)/N
Mario Rice	(AB)/BM	1ND3	Y/N
Carl Dam	AB/(BM)	1ND1	Y/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orient-ation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
~~BDCMR011~~	~~0708368~~	~~3725454~~	~~5~~	x x cm		Y N	Y N			~~D~~
BKBSD001	0708186	3726257	N/A	22 x 12 x unknown cm	N	Y (N)	N/A Y N	102°F	kit fox scat (fresh), 1244 pic	One kit fox burrow, could turn to right
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

* Ambient temp measured 5 cm above ground surface in shade, protected from wind
** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer
~ If tortoise nest site found, complete datasheet for nest excavation
^ If desert tortoise found in burrow, complete tortoise detection area on page 2

great heron

1240 - south to north @ S. end of Northern part of access road. 1241 - to N, 1242 - to S

desert horned lizard, round-tailed ground squirrel, kit fox & coyote scat CORA

zebra-tailed lizard

Left margin: 370 CD, 575 SD, ✓580 MR, MR 170 ✓, ✓585 MR, SD 740 ✓, ✓590 SD, CD 745 ✓, ✓595 SD, CD 750 ✓, ✓600 CD, SD 755 ✓, ✓605 SD, MR 760 ✓, ✓610 MR, ✓615 MR, ✓620 SD, ✓625 CD, ✓630 CD, ✓635 SD, ✓640 MR, ✓645 MR, ✓650 SD, ✓655 CD, ✓660 CD, ✓665 SD, ✓670 MR, ✓675 MR, ✓680 SD, ✓685 CD, ✓690 CD, ✓695 SD, ✓700 MR, 765 MR ✓705 MR, 770 SD ✓710 SD, 775 CD ✓715 CD, 780 CD ✓720 CD, 785 SD ✓725 SD, MR ✓730 MR, MR ✓, SD ✓, CD ✓

Right margin: 350 SD ✓, 375 MR, 355 CD ✓, 380 SD, 360 CD ✓, 385 CR, 365 MR, ✓390 CR, 370 MR, ✓395 CR, 400 MR, ✓405 MR, ✓410 SD, ✓415 CR, ✓420 CR, ✓425 SD, ✓430 MR, ✓435 MR, ✓440 SD, ✓445 CR, ✓450 CD, ✓455 SD, ✓460 MR, ✓465 MR, ✓470 SD, ✓475 CD, ✓480 CD, ✓485 SD, ✓490 MR, ✓495 MR, ✓500 SD, ✓505 CD, ✓510 CD, ✓515 SD, ✓520 MR, ✓525 MR, ✓530 SD, ✓535 CD, ✓540 CD, ✓545 SD, ✓550 MR, ✓555 MR, ✓560 SD

810 CD ✓
815 SD ✓
820 MR ✓
825 MR ✓
830 SD ✓
835 CD ✓

840 CD ✓
845 SD ✓
850 MR ✓
855 MR ✓
860 SD ✓
865 CD ✓

870 ✓
875 ✓
880 ✓
885 ✓
890 ✓
895 ✓

900 ✓
905 ✓
910 ✓
915 ✓
920 ✓
925 ✓

930 ✓
935 ✓
940 ✓
945 ✓
950 ✓
955 ✓

960 ✓
965 ✓
970 ✓ MR
975 MR
980 SD
985 CD

990 ✓
995
6000 ✓
6005 ✓ MR
10 ✓ SD
15 ✓ CD

6020 ✓
25 ✓
30 ✓
35 ✓
40 ✓
45 ✓ end

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

Survey Date: 7/11/11 **Site:** Blythe **Location:** Main Access Rd, North Side **Page** 2 **of** 3

Tortoise Detection Data:

11:59 AM - 99°F

DT Data							Brief Relocation/Translocation Info [Also fill out Relocation/Translocation data form]		
Tortoise GPS Ident Code	Easting	Northing	MCL (mm)	Transmitter #	Burrow ID (GPS Ident Code) of DTs Burrow	Completed Health Sheet?	Disposition (<5 km or >5km move)	If <5km move, Release Site Location	If >5km move, blood sample #
						Y N			
						Y N			
						Y N			
						Y N			

Tortoise Sign Detection Data:

GPS Ident Code	Description	Easting	Northing	Class (1-5)	Comments
BDCMR011	DT bone frag	0708368	3725454	5	DT Vertebral, ~~@~~ 1½ x 1", not mineralized
BCDMR012	" "	0708360	3725734	5	three small DT bone fragments ¼" x ¼" not mineralized

* Ambient temp measured 5 cm above ground surface in shade, protected from wind
** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer
~ If tortoise nest site found, complete datasheet for nest excavation
^ If desert tortoise found in burrow, complete tortoise detection area on page 2

0708155 SD
160 CD
165 MR
170 MR
175 CD
180 SD

150 SD
145 CD
140 MR

185 SD
190 CD
195 MR

Gambels quail, iguana
Whiptail

Site: Blythe Location: Main Acces Road, North Survey Type: ___Bird (DT) ___WBO ___Mammal Survey Date: 7/11/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

great heron
CORA
desert horned lizard
RTGS
Kit fox & coyote ~~scat~~ scat
zebra-tailed lizard
Gambel's quail
desert iguana
western whiptail

Additional Comments/Notes:

0708345	050 CD	345 MR	315 MR	285 MR	255 MR	225 MR	195 MR	3726230	230 CD		
	055 SD	340 SD	310 SD	280 SD	250 SD	220 SD	190 SD		235 SD		
	060 MR	335 CD	305 CD	275 CD	245 CD	215 CD	185 CD		240 MR		
	065 MR	330 CD	300 CD	270 CD	240 CD	210 SD	180 CD		245 MR		
	070 SD	325 SD	295 SD	265 SD	235 SD	205 SD	175 SD		250 SD		
	075 CD	320 MR	290 MR	260 MR	230 MR	200 MR	170 MR		255 CD		
									260 CD		
									265 SD		
									270 MR		
									275 MR		

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 7/12/11 **Construction to begin:** 7/13/11 **Page** 1 **of** 3

Site: Skyline **Location:** Main Access Road, North Arc **Size of Survey Area:** 40.9 acres **Proposed Activity:** clear & grub

Pass 1/2/3	Survey Direction	UTM Start	UTM End
	N/S (easting)	0708345	
2	E/W (northing)	3726050	3726170
2	Other_____	~~0708150~~	

	Time	Ambient Temp*	Wind	Weather % Cloud
Start	8:39	92.3	2-4	1%
Mid-day				
End	12:23	105.5 F	4-6	0%

Surveyor	AB/BM	GPS	GPS w/ Data?
MRivera	AB/BM	IND 3	Y/N
CDimas	AB/BM	IND 1	Y/N
SDarnell	AB/BM	IND 2	Y/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data: 3726230

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orient-ation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

desert iguana

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

372696O	CD ✓	975	MR ✓	990	✓		7005	CD ✓	20	MR ✓	35	CD ✓	MR	50 ✓	65 CD ✓	80 MR ✓	95 CD ✓	110 MR ✓	125 CD ✓
65	SD ✓	980	SD ✓	995	✓ SD		10	SD ✓	25	SD ✓	40	SD ✓	SD	55 ✓	70 SD ✓	85 SD ✓	100 SD ✓	115 SD	130 SD ✓
90	MR ✓	985	~~CD~~ MR	7000	✓ MR	CD	15	MR ✓	30	CD ✓	45	MR ✓	CD	60 ✓	75 MR ✓	90 CD ✓	105 MR ✓	120 CD ✓	135 MR ✓

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

Survey Date: 7/12/11 **Site:** Bluffs **Location:** Main Access Northern portion **Page** 2 **of** 4 3

Tortoise Detection Data:

DT Data							Brief Relocation/Translocation Info [Also fill out Relocation/Translocation data form]			
Tortoise GPS Ident Code	Easting	Northing	MCL (mm)	Transmittar #	Burrow ID (GPS Ident Code) of DTs Burrow	Completed Health Sheet?	Disposition (<5 km or >5km move)	If <5km move, Release Site Location		If >5km move, blood sample #
						Y N				
						Y N				
						Y N				
						Y N				

Tortoise Sign Detection Data:

GPS Ident Code	Description	Easting	Northing	Class (1-5)	Comments
BDCSD003	tortbone frag	0708151	3727189	5	mineralized DT bone frag, 1½"x1"

* Ambient temp measured 5 cm above ground surface in shade, protected from wind
** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer
~ If tortoise nest site found, complete datasheet for nest excavation
^ If desert tortoise found in burrow, complete tortoise detection area on page 2

10

200 MR ✓ 205 SD ✓ 210 CD ✓ 215 CD ✓ 220 SD ✓ 225 MR ✓ 230 MR 235 SD 240 CD 245 CD 250 SD 255 MR 260 MR ✓ 265 SD ✓ 270 CD ✓ 275 CD ✓ 280 SD ✓ 285 MR ✓ 290 MR ✓ 295 SD ✓ 300 CD ✓ 305 CD ✓ 310 SD ✓ 315 MR ✓ 320 MR 325 SD 330 CD 335 MR 340 SD 345 CD

350 355 360

8

0

Site: Blythe Location: Main Access, N. Survey Type: ___Bird (DT) ___WBO ___Mammal Survey Date: 7/12/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

desert iguana

Additional Comments/Notes:

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 7/12/11 ~~Construction~~ clearance to begin: 7/13/11 Page 1 of 1

Site: BSAP Location: UXO clearance West side Size of Survey Area: 400'x400' UXO clearance Proposed Activity: UXO clearance

Pass 1/2/3	Survey Direction	UTM Start	UTM End
1	N/S (easting)	See track log	
	E/W (northing)		
	Other_____		

	Time	Ambient Temp*	Wind	Weather % Cloud
Start	0700			
Mid-day				
End	0830	93	0-5	0

Surveyor	AB/BM	GPS	GPS w/ Data?
Romero	AB/BM	SM1	Y/N
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orient-ation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
				x x cm		Y N	Y N			No DT sign observed
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

0708450	JD	465											
455	CD	470											
450	MR	475											
~~455~~													

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 7/13/11 Construction to begin: 7/15(R)11 Page 1 of 3

Site: Blythe Location: Mesa Road middle section & south section Size of Survey Area: 25.7 + 40.2 Proposed Activity: clear & grub

Pass 1/2/3	Survey Direction	UTM Start	UTM End
1	N/S (easting) middle section	0708450	0708475
	E/W (northing)	completed pass #1	
1	Other south section	sec track log - completed pass #1	

	Time	Ambient Temp*	Wind	Weather % Cloud
Start	8:50AM	92.3	1-3	0% CC
Mid-day	11:07AM	97.1	5-10	0% CC
End	1253PM	1035	2-6	0% CC

Surveyor	AB/BM	GPS	GPS w/ Data?
SDaymon	AB/BM	2 IND	Y/N
MRivera	AB/BM	3 IND	Y/N
CDemetrio	AB/BM	1 IND	Y/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orient-ation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
— no observations				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

BMAM018 is kit fox complex but >20' outside fenceline so no cameras

LOSH wounded

sidewinder desert horned lizard

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

Survey Date: 7/13/11 **Site:** Blythe **Location:** Access Road, Central & South

Tortoise Detection Data:

DT Data							Brief Relocation/Translocation Info [Also fill out Relocation/Translocation data form]			
Tortoise GPS Ident Code	Easting	Northing	MCL (mm)	Transmitter #	Burrow ID (GPS Ident Code) of DTs Burrow	Completed Health Sheet?	Disposition (<5 km or >5km move)	If <5km move, Release Site Location		If >5km move, blood sample #
						Y N				
						Y N				
						Y N				
						Y N				

Tortoise Sign Detection Data:

GPS Ident Code	Description	Easting	Northing	Class (1-5)	Comments
BDCMR013	DT bone frag	0708386	3725167	5	mineralized (likely fossil) 45mm x 30mm, likely plastron

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

Site: Blythe Location: Main Access Road Central & South Survey Type: ___Bird (DT) ___WBO ___Mammal Survey Date: 7/13/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

LOSH
whiptail
sideblotch lizard
desert horned lizard

Additional Comments/Notes:

25 M	10 W	95 K	80 M	[illegible]	50 K	35 K	20 M	05 M	90 K	80 M	60 M	40 M	28 K	100 K	95 M	80 M	65 K	80 [illegible]	
20 M	5	90 K	75 K	60 M	45 M	30 K	15 K	00 M	85 M	75 K	55 K	35 M	20 M	05 K	90 K	75 M	60 M		
90	K	70	K	50	M	30	K	10	K	90	K	70	K	50K	30K	45K	40K	40K	35
85	M	65	M	45	K	25	M	5	M	85	M	65	M	45M	25M	05M	85M	65M	45
80	M	60	M	40	M	20	M	200	K	80	M	60	M	40M	20M	00M	30M	65M	45
75	K	55	L	35	K	15	K	95	[illegible]	75		55	K	35K	15K	95K	75K	55K	35

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 07/14/11 Construction to begin: ___/___/___

Site: Blythe Location: Main Access Rd, Central Size of Survey Area: ___________ Proposed Activity: Vegetation Clearing

Pass 1/2/3	Survey Direction	UTM Start	UTM End
	N/S (easting)	~~[illegible]~~	6708478
	E/W (northing)	3725290	3723157
	Other______		

	Time	Ambient Temp*	Wind	Weather % Cloud
Start	0535	78.5°	3-5 mph	0%
Mid-day	1230	99.9	6-8 mph	0%
End	1402	102.1	5-10 mph	0%

Surveyor	AB/BM	GPS	GPS w/ Data?
MAR	(AB)/BM	India 3	Y/(N)
Kall	AB/BM	India 2	Y/(N)
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orient-ation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

Whiptail
UTA
Hatchling Horned lizard
Shrike
Iguana
Zebra Tail

* Ambient temp measured 5 cm above ground surface in shade, protected from wind
** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer
~ If tortoise nest site found, complete datasheet for nest excavation
^ If desert tortoise found in burrow, complete tortoise detection area on page 2

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

Survey Date: 7/14/11 **Site:** Blythe **Location:** Mills Access Road, central

Tortoise Detection Data:

DT Data							Brief Relocation/Translocation Info (Also fill out Relocation/Translocation data form)			
Tortoise GPS Ident Code	Easting	Northing	MCL (mm)	Transmitter #	Burrow ID (GPS Ident Code) of DTs Burrow	Completed Health Sheet?	Disposition (<5 km or >5km move)	If <5km move, Release Site Location		If >5km move, blood sample #
- no observations -						Y N				
						Y N				
						Y N				
						Y N				

Tortoise Sign Detection Data:

GPS Ident Code	Description	Easting	Northing	Class (1-5)	Comments
- no observations -					

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

45K	35M	25K	15M	05K	98M	88K	75M	65K	58M	45K	38M	68K	18M	08K	98M	88K	88K	68K	58M
40M	30K	20M	10K	100M	90K	80M	70K	60M	50K	40M	30K	20M	10K	600M	90K	80M	70K	60M	50K

45K	25K	05	88K	65K	45M	25K	85K	85K	65K	45K	25K	05	85K	65K	45K	25K	05K	85K	65K	45K	25K	05M	85K
40M	20M	550	80M	60M	40K	20M	400M	80M	60M	40M	20M	300	80M	60M	40M	20M	200	80M	60K	40M	20M	160M	80M
35M	15M	M95	75M	55K	35M	15M	95M	75M	55M	35M	15M	095	75M	55M	35M	15M	95M	75M	55M	35M	15M	95K	75M
30K	10K	K50	70K	50K	30K	10K	90K	70K	50K	30K	10K	490	70K	50K	30K	10K	90K	70K	50K	30K	10K	90K	70K

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 07/14/11 Construction to begin: / / Page 2 of 34

Site: ______ Location: Blythe, Main Access Central Size of Survey Area: ______ Proposed Activity: Veg Clearing

Pass 1/2/3	Survey Direction	UTM Start	UTM End
	N/S (easting)		
	E/W (northing)		
	Other______		

	Time	Ambient Temp*	Wind	Weather % Cloud
Start				
Mid-day				
End				

Surveyor	AB/BM	GPS	GPS w/ Data?
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orientation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
65K 60M	95M 90K	95M 95K 90K	95M 90K	95M 90K x 95M 95K		Y N	Y N	95M 90K	95M 90K	95M 90K 98M 90M
55M 50K	85K 80M	85K 80M 85K 80M		85K 80M x 80M 85K		Y N	Y N	85K 80M	85K 80M	85K 80M 85K 80M
45K 40M	75M 70K 65K	70K 65K 70K 65K		75M 70K 65K x cm 75M 70K		Y N	Y N	75M 70K	75M 70K	75M 70K 75M
35M 30K	60K 55M 50K	60M 55M 50K 60M 55M 50K		60M 55M 50K x cm 65K 60K		Y N	Y N	65K 60M	65K 60M 55M	65K 60M 70K 65K
25K	45K 40M	45K 40M 45K 40M		45K 40M x cm 50K 55M		Y N	Y N	55M 50K	55K 50K	55M 50K 60M
20M 15M	35M 30K 25K	35M 30K 25K 35M 30K 25K		35M 30K 25K x cm 45K 40M		Y N	Y N	45K 40M	45K 40M 35M	45K 40M 35M
10K 05K	20M 15K 10K	20K 20M 15M 10K 15K 10K 05K		20K 15M 10K x cm 35M 30K 25K		Y N	Y N	35M 30K 25K	30K 25K 20M	30K 25K
000M	05K 900M	05K 800M 900M		05K 600M x cm	20M 15M 10K 05K 500M	Y N	Y N	20M 15M 10K 05K 400M	15M 10K 05K 300K	20M 15M 10K 05K 200M

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

Dead Iguana 1150708492
3723303

Measurments flush with Ground
Height & width @ 0" in, 6", 12" & 18"

0" = W17" x H8" | 12" = W10" x H7.5
6" = W11.5" x H7.5" | 18" = W10" x H5"

Site: Blythe Location: Main Access Rd., central Survey Type: ___ Bird (DT) WBO ___ Mammal ___ Survey Date: 7/14/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

Western whiptail
sideblotch
hatchling horned lizard (desert)
loggerhead shrike
desert iguana
zebra tail lizard

Additional Comments/Notes:

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 7/14/11 Construction to begin: 7/18/11 Page 1 of 2

Site: BSAP Location: UNO ecology site Size of Survey Area: 400x400' Proposed Activity: UNO clearance

Pass 1/2/3	Survey Direction	UTM Start	UTM End
1	N/S (easting)	See track log	
	E/W (northing)		
	Other_____		

	Time	Ambient Temp*	Wind	Weather % Cloud
Start	745			
Mid-day				
End	900	88	0-10	0

Surveyor	AB/BM	GPS	GPS w/ Data?
[redacted]	AB/BM	SM1	Y/N
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orient-ation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
				x x cm		Y N	Y N			No burrows observed
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

Survey Date: 7/14/11 **Site:** ASPP **Location:** UXO eastern site.

Tortoise Detection Data:

DT Data							Brief Relocation/Translocation Info [Also fill out Relocation/Translocation data form]			
Tortoise GPS Ident Code	Easting	Northing	MCL (mm)	Transmitter #	Burrow ID (GPS Ident Code) of DTs Burrow	Completed Health Sheet?	Disposition (<5 km or >5km move)	If <5km move, Release Site Location		If >5km move, blood sample #
						Y N				
						Y N				
						Y N				
						Y N				

Tortoise Sign Detection Data:

GPS Ident Code	Description	Easting	Northing	Class (1-5)	Comments
Dt Bone	DT bone	3728560	0707054	5	Single bone just outside grid for UXO survey

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

120 CD	090 CD	060 CD	030 CD	3000 CD	70 CD	040 SD	915	
115 SD	085 SD	055 SD	025 SD	2995 SD	65 SD	035 SD	905	
110 MR	080 MR	050 MR	020 MR	90 MR / 85 MR	60 MR	030 MR	9800	
105 MR (135 MR)	105 MR	075 MR	045 MR	015 MR	80 SD	55 MR	925 MR	895
130 SD	100 SD	070 SD	040 SD	010 SD	75 CD	50 SD	920 SD	890
125 CD	095 CD	065 CD	035 CD	005 CD		45 CD	915 CD	885

880 875 870 865 860 855 — 850 845 840 835 830 825

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 7/15/11 Construction to begin: / / Page 1 of 3

Site: Blythe Location: South end of main access road Size of Survey Area: ______ Proposed Activity: Clear & grub

Pass 1/2/3	Survey Direction	UTM Start	UTM End
	N/S (easting)		
2	E/W (northing)	~~3708455~~	
	Other____	↑3723150	

	Time	Ambient Temp*	Wind	Weather % Cloud
Start	8:32 AM	87.5°F	0-3	0% CC
Mid-day				
End	10:51 AM	101°F	2-4	0% CC

Surveyor	AB/BM	GPS	GPS w/ Data?
M Rivera	(AB)/BM	2	Y/N
C Demetrio	AB/BM	1	Y/N
S Dayma	AB/(BM)	3	(Y)/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orientation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
— no	observations			x x cm		Y N	Y ~~N~~	no	observations —	
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

* Ambient temp measured 5 cm above ground surface in shade, protected from wind
** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer
~ If tortoise nest site found, complete datasheet for nest excavation
^ If desert tortoise found in burrow, complete tortoise detection area on page 2

Left margin: 505 500 495 490 485 480 475 470 465 460 455 450 445 440 435 430 425 420 415 410 405 400 395 390 385 380 375

Right margin: 820 815 810 805 800 795 790 785 780 775 770 765 760 755 750 745 740 735 730 725 720 715 710 705 700 695 690

Bottom: 370 365 360 355 350 345 340 335 330 325 320 315 310 305 300 295 290 285 280 275 270 265 260 255 250 245 240 235 230 225 220 215 210 205 200 195 190 185 180 685 680 675 670 665 660 655 650 645 640 635 630 625 620 615 610 605 600 595 590 585 580 575 570 565 560 ~~555~~ 555 550 ~~545~~ 545 ~~540~~ 540 ~~535~~ 535 530 525 520 515 510 ~~505~~

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

Survey Date: 7/15/11 **Site:** Blythe **Location:** South end of main access road

Tortoise Detection Data:

DT Data							Brief Relocation/Translocation Info [Also fill out Relocation/Translocation data form]			
Tortoise GPS Ident Code	Easting	Northing	MCL (mm)	Transmitter #	Burrow ID (GPS Ident Code) of DTs Burrow	Completed Health Sheet?	Disposition (<5 km or >5km move)	If <5km move, Release Site Location		If >5km move, blood sample #
— no observations —						Y N				
						Y N				
						Y N				
						Y N				

Tortoise Sign Detection Data:

GPS Ident Code	Description	Easting	Northing	Class (1-5)	Comments
— no	observations				

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

INFORMATION INDEX FOR DESERT TORTOISE SIGN*
Burrows and Dens, Scats, and Shell Remains

Page 3 of 3
7/15/11 DT Clearance

(2) Scats:	1. wet (not from rain or dew) or freshly dried; obvious odor 2. dried with glaze; some odor; dark brown 3. dried; no glaze or odor; signs of bleaching (light brown), tightly packed material 4. dried; light brown to pale yellow, loose material; scaly appearance 5. bleached, or consisting only of plant fiber
(1) Burrows and Dens:	1. Currently active, with tortoise or recent tortoise sign 2. good condition, definitely tortoise, no evidence of recent use 3. deteriorated condition (describe); definitely tortoise 4. deteriorated condition, possibly tortoise (describe) 5. good condition; possibly tortoise (describe)
(3) Shell Remains:	1. fresh or putrid 2. normal color; scutes adhere to bone 3. scutes peeling off bone 4. shell bone is falling apart; growth rings on scutes are peeling 5. disarticulated and scattered

For GPS Entry and Field Mapping of Burrowing Owl and other Sensitive Resources

1. Place a dot on the map in the general vicinity of the observation of burrowing owls, unmapped (new) potential burrows, sign, and other special-status species.
2. Use the following IDENT CODE nomenclature to record the detection on your data sheet, GPS, and field map.

Example —"**BBBVW001**" where B=Blythe (Site Identifier), BB=burrowing owl burrow (Detection Type), VW=Veronica Wunderlich (Surveyor Identifier), 001=Observation #.

Site Identifier: Blythe=B

Detection Type Codes:

Burrowing Owl	Desert Tortoise	Bird Nests	Mammals
BL=live burrowing owl	DL= live desert tortoise	PE=Peregrine falcon, PN=nest	KB=Kit fox burrow
BB=confirmed BUOW burrow	DB=burrow	CO=Cooper's hawk, ON=nest	GL=American badger live
BF=feather	DS=scat	GE=Golden eagle, EN=nest	GB=American badger burrow
BP=pellets	DC=carcass	GW=Gila Woodpecker, WN=nest	
BO=other (describe)	DT=tracks	GF=Gilded flicker, GN=nest	SL=Bighorn sheep live
	DP=pallet	NH=Northern harrier, NN=nest	SC=Bighorn sheep carcass
	DO=other (describe)	BT=Bendire's thrasher, BN=nest	BA=Bat roosting sites
		CT=Crissal thrasher, CN=nest	MA=Mammal burrow
		LT=Le Conte's thrasher, HN=nest	
			Other
		NE=Unknown/other bird nest	BC=Cactus*
			OO=Other, specify in notes

* Includes cottontop cactus, California barrel cactus, common fishhook cactus, beavertail cactus (more than 2 pads), silver cholla (more than 6"), and pencil cholla (more than 6")

* Ambient temp measured 5 cm above ground surface in shade, protected from wind
** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer
~ If tortoise nest site found, complete datasheet for nest excavation
^ If desert tortoise found in burrow, complete tortoise detection area on page 2

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 7/18/11 Construction to begin: 7/18/11 Page 1 of 2

Site: BSAP Location: ESA Rd 4 Size of Survey Area:______ Proposed Activity: ESA fencing

Pass 1/2/3	Survey Direction	UTM Start	UTM End
	N/S (easting)		
	E/W (northing)		
	Other______		

	Time	Ambient Temp*	Wind	Weather % Cloud
Start				
Mid-day				
End	830	94	0-5	25

Surveyor	AB/BM	GPS	GPS w/ Data?
RRomero	AB/BM	SM1	Y/N
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N
	AB/BM		Y/N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orient-ation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

* Ambient temp measured 5 cm above ground surface in shade, protected from wind

** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer

~ If tortoise nest site found, complete datasheet for nest excavation

^ If desert tortoise found in burrow, complete tortoise detection area on page 2

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

Survey Date: 7/18/11 **Site:** BSPP **Location:** ESA Bot 4

Tortoise Detection Data:

DT Data							Brief Relocation/Translocation Info [Also fill out Relocation/Translocation data form]			
Tortoise GPS Ident Code	Easting	Northing	MCL (mm)	Transmitter #	Burrow ID (GPS Ident Code) of DTs Burrow	Completed Health Sheet?	Disposition (<5 km or >5km move)	If <5km move, Release Site Location		If >5km move, blood sample #
						Y N				
						Y N				
						Y N				
						Y N				

Tortoise Sign Detection Data:

GPS Ident Code	Description	Easting	Northing	Class (1-5)	Comments
DT Bones	Disarticulated	372 8133	0704 285	5	Several bones found in wash adjacent to fencing. Photo 4

* Ambient temp measured 5 cm above ground surface in shade, protected from wind
** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer
~ If tortoise nest site found, complete datasheet for nest excavation
^ If desert tortoise found in burrow, complete tortoise detection area on page 2

BSPP

AB/KF/WBO Survey Datasheets

July 2011

DESERT KIT FOX AND AMERICAN BADGER PRE-CONSTRUCTION *FOCUSED* SURVEY DATA SHEET

Site: Blythe Location: Main Access Road, North Size of Survey Area: _____ Proposed Activity: Clear & grub Page 1 of 2

Survey Date: ~~7/8/11~~ 7/11/11 Construction to begin (estimate): 7/13/11

GPS Unit	Surveyor	GPS Unit	Surveyor
	Milo Rivera		Middle
	Shelley Dayman		Camera
	Carl Demtropoulos		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	13:42	104°F	8-10	0	10% CC
End	6:22AM	83°F	0-1	0	1%

Sunrise/set _____ am/pm

Potential Burrows:

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Monitoring Visit # (1, 2, or 3)	Camera or Track Station?	Original sign	Identify new sign[2]	Current Burrow Status[3] (O, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.)[4]	Photo Ref	Surveys for mammals complete	If surveys complete action required? (N=none, S=scoping, PR=passive relocation)
BKBSD001	0708186 / 3726257	1 2 3	Camera	Kit fox scat		PA	fresh kit fox scat, one kit fox burrow, could turn to right	1244	(Y) N	N (S) PR
	/	1 2 3	burrow	22x12x unknow					Y N	N S PR
	/	1 2 3							Y N	N S PR
BMAJR301	/	1 2 3	camera			O	set camera to check for pups, already attempted passive relocation for this burrow		Y N	N S (PR)
	/	1 2 3							Y N	N S PR
	/	1 2 3							Y N	N S PR
	/	1 2 3							Y N	N S PR
	/	1 2 3							Y N	N S PR
	/	1 2 3							Y N	N S PR
	/	1 2 3							Y N	N S PR
	/	1 2 3							Y N	N S PR

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] Individual or Sign Present: **AB**-American badger, **KF**-desert kit fox, **AS**-AB scat, **KS**-KF scat, **KT**- KF Tracks, **AT**-AB tracks, **B**- Bones (from degraded scat), **F**-Fur, Pr-prey remains, **NONE**-no sign detected.

[3] **Burrow Status: O = Occupied** (occupancy is confirmed by visual detection of AB or KF), **PA = Potentially Active** (AB or KF occupancy not confirmed, but sign indicates possible use), **S = Suitable** (No evidence of recent use by AB or KF but burrow is suitable), **NS = Not Suitable** (burrow not suitable for AB or KF).

[4] Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts.

Site: Blythe Location: Main Access Road, North Survey Type: ___Bird ___DT ___WBO ___Mammal ✓ Survey Date: 7/11/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

Additional Comments/Notes:

→ BKBSD001

Set wildlife camera as couldn't see to end of burrow, on 7/12/11 Milo Rivera scoped the burrow and determined that it terminated about 8" after the turn in the burrow. The burrow was therefore a kit fox dig and was not an occupied burrow. The burrow was collapsed after scoping on 7/12/11

BKBSD001 → Photographs from the wildlife camera on 7/11/11 (evening) had no kit foxes present.

Set wildlife camera @ burrow known to be occupied by kit fox to determine if pups present prior to second attempt @ passive relocation

BMAJR301

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION *TRANSECT* SURVEY DATA SHEET

Site: BSAA Location: UXO Clearance West side Size of Survey Area: 400'x400' Proposed Activity: UXO clearance, Page 1 of 2

Survey Date: 7/12/11 ~~Construction~~ to begin (estimate): 7/13/11 UXO clearance

GPS Unit	Surveyor	GPS Unit	Surveyor
SM1	BRowers		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	0700				
Mid-day					
End	0830	93	0-5	0	0

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (In.) (W x H x D)	Individual or Sign Present[2] (list all that apply)	Burrow Status[3] (A, PA, S, NS) BO	AB	KF	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
	/	Y (N)		none				No burrows observed	none		(None) BO AB KF
	/	Y N						No live animals or	none		(None) BO AB KF
	/	Y N						other sign observed			None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 4 for nomenclature and codes.

[1]Does the Burrow ID represent a complex of multiple burrows? Y = Yes, multiple burrows forming a complex are represented by this Code; N = No, only one burrow is represented by this Code.

[2] Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS - Badger scat, KFS - Kit fox scat, ABC - Badger claw marks, NONE-no sign detected.

[2] BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- BUOW Tracks, B- Bones (from degraded pellets), F-Feathers, Pr-prey remains, Ef-Eggshell fragments, St-Sticks, NONE-no sign detected.

[3]Burrow Status: A = Active (occupancy is confirmed by visual detection of owl, fox or badger at burrow), PA = Potentially Active (owl, fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl, fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for owl, fox or badger).

*Reviewed by surveyor (initials, date):*_____ *Approved by team leader (initials, date):*_____

Site: BSRP Location: UXO clearance west side Survey Date: 7,12,11

Other Species Detected (list sensitive wildlife species and plants detected and incidental species. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

Black tailed gnatcatcher
zebra tailed lizard
woodrat midden
sm mammal burrows
rabbit scat
side blotched lizard

red barrel cactus outside UXO clearance area - within survey buffer
coords. - 0706596
3728439

Additional Comments/Notes:

UXO survey crew setting up grid system for UXO clearance east side grid. Will survey area once delineated.

Reviewed by surveyor (initials, date): _____ *Approved by team leader (initials, date):* _____

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION *TRANSECT* SURVEY DATA SHEET

Site: BSBP Location: UXO eastern site Size of Survey Area: 400'x400' Proposed Activity: UXO clearance Page 1 of 1

Survey Date: 7/14/11 Construction to begin (estimate): 7/18/11 clearance

GPS Unit	Surveyor	GPS Unit	Surveyor
SM1	Mayhew		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	745				
Mid-day					
End	900	88	0-10	0	0

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present[2] (list all that apply)	Burrow Status[3] (A, PA, S, NS) BO	AB	KF	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
	/	Y (N)		None				No burrows or live animals/ other sign were observed			(None) BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 4 for nomenclature and codes.

[1] **Does the Burrow ID represent a complex of multiple burrows? Y = Yes**, multiple burrows forming a complex are represented by this Code; **N = No**, only one burrow is represented by this Code.

[2] **Animal or Sign Present: AB**-Badger, **KF**-Desert Kit Fox, **ABT**-Badger tracks, **KFT**-Kit fox tracks, **ABS** - Badger scat, **KFS** - Kit fox scat, **ABC** - Badger claw marks, **NONE**-no sign detected.

[2] **BUOW or Sign Present: BO**-Owl, **W**-Whitewash, **P**-Pellets, **BT**- BUOW Tracks, **B**- Bones (from degraded pellets), **F**-Feathers, **Pr**-prey remains, **Ef**-Eggshell fragments, **St**-Sticks, **NONE**-no sign detected.

[3] **Burrow Status: A = Active** (occupancy is confirmed by visual detection of owl, fox or badger at burrow), **PA = Potentially Active** (owl, fox or badger occupancy not confirmed, but sign indicates possible use), **S = Suitable** (No evidence of recent use by owl, fox or badger, but burrow is suitable), **NS = Not Suitable** (burrow not suitable for owl, fox or badger).

Reviewed by surveyor (initials, date): _____ ***Approved by team leader (Initials, date):*** _____

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION *TRANSECT* SURVEY DATA SHEET

Site: BSPP Location: ESA Bot 5 Size of Survey Area: _____ Proposed Activity: ESA fencing Page 1 of 1

Survey Date: 7/18/11 Construction to begin (estimate): 7/18/11

GPS Unit	Surveyor	GPS Unit	Surveyor
SM1	RAMOS		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start					
Mid-day					
End	1100	101	0-5 mph	0	30

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present[2] (list all that apply)	Burrow Status[3] (A, PA, S, NS) BO	AB	KF	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
DKF Burrow	703796 3728166	Y (N)	not taken	scat			X	no recent sign	Photo 6	6	(None) BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 4 for nomenclature and codes.

[1]Does the Burrow ID represent a complex of multiple burrows? **Y = Yes**, multiple burrows forming a complex are represented by this Code; **N = No**, only one burrow is represented by this Code.

[2] **Animal or Sign Present: AB**-Badger, **KF**-Desert Kit Fox, **ABT**-Badger tracks, **KFT**-Kit fox tracks, **ABS** - Badger scat, **KFS** - Kit fox scat, **ABC** - Badger claw marks, **NONE**-no sign detected.

[2] **BUOW or Sign Present: BO**-Owl, **W**-Whitewash, **P**-Pellets, **BT**- BUOW Tracks, **B**- Bones (from degraded pellets), **F**-Feathers, **Pr**-prey remains, **Ef**-Eggshell fragments, **St**-Sticks, **NONE**-no sign detected.

[3]**Burrow Status: A = Active** (occupancy is confirmed by visual detection of owl, fox or badger at burrow), **PA = Potentially Active** (owl, fox or badger occupancy not confirmed, but sign indicates possible use), **S = Suitable** (No evidence of recent use by owl, fox or badger, but burrow is suitable), **NS = Not Suitable** (burrow not suitable for owl, fox or badger).

Reviewed by surveyor (initials, date): _____ ***Approved by team leader (initials, date):*** _____

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION *TRANSECT* SURVEY DATA SHEET

Site: BSPP Location: Main Access Road Size of Survey Area: _____ Proposed Activity: _____ Page 1 of 1

Survey Date: 7/21/11 Construction to begin (estimate): / /

GPS Unit	Surveyor	GPS Unit	Surveyor
M10	Mikki Ireland		

	Time	Temp (°F)	Wind(mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	9:15	91	0	0	0
Mid-day					
End					

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present[2] (list all that apply)	Burrow Status[3] (A, PA, S, NS) BO	AB	KF	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
BMAMI202	T08105 13727771	Y N	8"x9"x48"+	Scat tracks	?	?	A	Watched DKF enter burrow	ID	IN	None BO AB KF
	/	Y N	7"x9"x36"+								None BO AB KF
	/	Y N	5"x7"x24"+								None BO AB KF
	/	Y N	8"x6"x26"+								None BO AB KF
	/	Y N	4"x6"x18"	collapsed	Ray Romero						None BO AB KF
	/	Y N	35"x7"x8"	collapsed	Ray Romero						None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 4 for nomenclature and codes.

[1] **Does the Burrow ID represent a complex of multiple burrows? Y = Yes,** multiple burrows forming a complex are represented by this Code; **N = No,** only one burrow is represented by this Code.

[2] **Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS** - Badger scat, **KFS** - Kit fox scat, **ABC** - Badger claw marks, **NONE-no sign detected.**

[2] **BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT-** BUOW Tracks, **B-** Bones (from degraded pellets), **F-Feathers, Pr-prey remains, Ef-Eggshell fragments, St-Sticks, NONE-no sign detected.**

[3] **Burrow Status: A = Active** (occupancy is confirmed by visual detection of owl, fox or badger at burrow), **PA = Potentially Active** (owl, fox or badger occupancy not confirmed, but sign indicates possible use), **S = Suitable** (No evidence of recent use by owl, fox or badger, but burrow is suitable), **NS = Not Suitable** (burrow not suitable for owl, fox or badger).

Reviewed by surveyor (initials, date): _____ ***Approved by team leader (initials, date):*** _____

BLYTHE SOLAR POWER PROJECT BURROWING OWL PRE-CONSTRUCTION *FOCUSED* SURVEY DATA SHEET

Phase: 1 Location: BSPP Size of Survey Area: ______ Survey Area Description: Switch/SGS/Main Road/Ph. 1A Page 1 of 3

Survey Date: 7/19/11 Scheduled Activity: Outstanding Observation Final Check Construction to begin (estimate): / /

GPS Unit	Surveyor	GPS Unit	Surveyor
M10	Mike Ireland		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	9:15	105	2mph	0	0
End	2:45	109	7mph	0	0

Sunrise/set ____________ am/pm

Potential Burrows:

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Visit # (1 or 2)	Morning or Evening^	Original sign observed @ burrow[2]	Identify new sign[2]	Current Burrow Status[3] (O, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.)[4]	Photo Ref	Surveys complete ?
BMAJR301	— / —	NA	morning	DKF footprints	tracks	O	Door intact; Repositioned camera		Y (N)
BMATP007	— / —	NA	"	none	none	NS	Caved in - no sign		(Y) N
BMATP006	— / —	NA	"	none	none	NS	Caved in - no sign		(Y) N
BMATP005	— / —	NA	"	none	none	NS	Caved in - no sign		(Y) N
BMADE001	— / —	NA	"	none	none	NS	Caved in - no sign		(Y) N
BMAMI015	— / —	NA	"	none	none	Inactive	no sign; most of complex caved in; some burrows suitable for WBO only		(Y) N
BMATP001	— / —	NA	"	none	none	NS	Caved in - washed over by monsoon flow		(Y) N
BMATP003	— / —	NA	"	none	none	NS	Caved-in - no sign		(Y) N
BBBMI001	— / —	NA	"	none	none	NS	Caved-in - no sign		(Y) N
BMATP004	— / —	NA	"	all sign very old	none	S	most WBO sign from March is gone remaining sign is very weathered and NOT NEW		(Y) N
	/	1 2							Y N

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes. ^ Morning = 1 hour beforeto 2 hours after sunrise; Evening = 2 hours before to 1 hour after sunset

[2] **BUOW or Sign Present:** BO-Owl, W-Whitewash, P-Pellets, BT- BUOW Tracks, B- Bones (from degraded pellets), F-Feathers, Pr-prey remains, Ef-Eggshell fragments, St-Sticks, NONE-no sign detected.

[3] **Burrow Status:** O =Occupied (occupancy is confirmed by visual detection of owl), **PA = Potentially Active** (owl occupancy not confirmed, but sign indicates possible use), **S = Suitable** (No evidence of recent use by owl but burrow is suitable), **NS = Not Suitable** (burrow not suitable for owl).

[4] Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts. If suitability changes from a previous survey, clearly describe why it has been revised or the change in conditions.

BLYTHE SOLAR POWER PROJECT BURROWING OWL PRE-CONSTRUCTION *FOCUSED* SURVEY DATA SHEET

Phase: 1 Location: BSPP Size of Survey Area: _____ Survey Area Description: Shed/SS/Mon Road/PA HA Page 2 of 3

Survey Date: 7/19/11 Scheduled Activity: Outstanding Observation Final Check Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
M10	Mike Ireland		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	9:15	105	2 mph	0	0
End	2:45	109	7 mph	0	0

Sunrise/set _____ am/pm

Potential Burrows:

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Visit # (1 or 2)	Morning or Evening^	Original sign observed @ burrow[2]	Identify new sign[2]	Current Burrow Status[3] (O, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.)[4]	Photo Ref	Surveys complete ?
BNEJM001 *		NA	midday	none	none	I	*Verdin nest inactive - removed		Y N
BNEJM002		NA	"	none	none	I	Cavity nest inactive - webs @ opening		Y N
BNEJM003		NA	"	none	none	I	Cavity nest inactive - webs @ opening		Y N
BNEJM001		NA	"	none	none	I	Nest NOT PRESENT		Y N
B-4NESTS		NA	"	?	feathers	Roost Active	Flushed numerous LEMI adult & juvenile		Y N
BNEJM004		NA	"	none	none	I	NEST NOT PRESENT		Y N
BVNJM006		NA	"	none	none	I	NEST NOT PRESENT		Y N
BVNAF001		NA	"	none	none	I	NEST NOT PRESENT		Y N
BLNHAF001		NA	"	none	none	I	Sign no longer present		Y N
BVNAF002		NA	"	none	none	I	All three nests inactive-Removed		Y N
BNEMJ001		NA	"	none	none	NS	Tree in roadway - Removed		Y N

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes. ^ Morning = 1 hour before to 2 hours after sunrise; Evening = 2 hours before to 1 hour after sunset

[2] BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- BUOW Tracks, B- Bones (from degraded pellets), F-Feathers, Pr-prey remains, Ef-Eggshell fragments, St-Sticks, NONE-no sign detected.

[3] Burrow Status: O =Occupied (occupancy is confirmed by visual detection of owl), PA = Potentially Active (owl occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl but burrow is suitable), NS = Not Suitable (burrow not suitable for owl).

[4] Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts. If suitability changes from a previous survey, clearly describe why it has been revised or the change in conditions.

BLYTHE SOLAR POWER PROJECT BURROWING OWL PRE-CONSTRUCTION *FOCUSED* SURVEY DATA SHEET

Phase: 1 Location: BSPP Size of Survey Area: _____ Survey Area Description: Shared 505/Main Road/Ph 1A Page 3 of 3

Survey Date: 7/19/11 Scheduled Activity: Outstand Observation Final Check Construction to begin (estimate): 1 1

GPS Unit	Surveyor	GPS Unit	Surveyor
M10	Mike Ireland		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	9:15	105	2 mph	0	0
End	2:45	109	7 mph	0	0

Sunrise/set _____ am/pm

Potential Burrows:

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Visit # (1 or 2)	Morning or Evening^	Original sign observed @ burrow[2]	Identify new sign[2]	Current Burrow Status[3] (O, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.)[4]	Photo Ref	Surveys complete ?
BKBCG001	/	~~1~~ 2	Midday	scat	recent scat	Active	Burrows suitable Numerous deposits of fresh scat		Y N
BVRJM202	/	~~1~~ 2	"	none	none	I	Same nest as BVEMJ002		(Y) N
BVEMI002	/	~~1~~ 2	"	none	none	I	Nest Inactive - Removed		(Y) N
BBNJM201	/	~~1~~ 2	"	none	none	I	Nest damaged and Inactive - Removed		(Y) N
BLNAH002	/	~~1~~ 2	"	none	none	I	Nest severely degraded - mostly fallen to ground		(Y) N
	/	1 2							Y N
	/	1 2							Y N
	/	1 2							Y N
	/	1 2							Y N
	/	1 2							Y N
	/	1 2							Y N

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes. ^ Morning = 1 hour beforeto 2 hours after sunrise; Evening = 2 hours before to 1 hour after sunset

[2] **BUOW or Sign Present: BO**-Owl, **W**-Whitewash, **P**-Pellets, **BT**- BUOW Tracks, **B**- Bones (from degraded pellets), **F**-Feathers, **Pr**-prey remains, **Ef**-Eggshell fragments, **St**-Sticks, **NONE**-no sign detected.

[3] **Burrow Status: O =Occupied** (occupancy is confirmed by visual detection of owl), **PA = Potentially Active** (owl occupancy not confirmed, but sign indicates possible use), **S = Suitable** (No evidence of recent use by owl but burrow is suitable), **NS = Not Suitable** (burrow not suitable for owl).

[4] Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts. If suitability changes from a previous survey, clearly describe why it has been revised or the change in conditions.

BLYTHE SOLAR POWER PROJECT BURROWING OWL PRE-CONSTRUCTION *FOCUSED* SURVEY DATA SHEET

Phase: 1 Location: BSPP Size of Survey Area: _____ Survey Area Description: Cultural Resource Sites Page 1 of 1

Survey Date: 7/2011 Scheduled Activity: _____ Construction to begin (estimate): / /

CA-RIV-##### (9623, 9806, 9807, 9808, 9803, 9770, 9797, 9798)

GPS Unit	Surveyor	GPS Unit	Surveyor
M10	Mike Ireland		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	8:00	91	0mph	⊘	⊘
End	1:30	107	6mph	⊘	⊘

Sunrise/set _____ am/pm

Previously checked by Ray
9812, 9815, 9814, 9816, 7663, 9617, 9824, 9823, 9614

Potential Burrows:

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Visit # (1 or 2)	Morning or Evening^	~~Original sign observed @ burrow~~ Species	Identify new sign[2]	Current Burrow Status[3] (O, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.)[4]	Photo Ref	Surveys complete ?
BNEMI201	706586 3729417	1 2	morning	unknown		PA	Two Gila Woodpeckers and a Lagglet	Nest ID	Y N
BNEMI202	706687 3729430	1 2	morning	unknown		PA	Smoke in vicinity of nests - not nesting	Nest ID	Y N
BVNMI201	706592 3729428	1 2	morning	Verdin		NA	Old Verdin nest 5m off ground - inactive	Nest ID	Y N
BVNMI202	706642 3729445	1 2	morning	Verdin		NA	Old Verdin nest removed	Nest ID	Y N
BVNMI203	705515 3729429	1 2	morning	Verdin		NA	5 meters, off ground Damaged old Verdin nest; not removed	Nest ID	Y N
BSLMI201	704100 3728218	1 2	morning	DT		NA	DT Carcass in pieces	ID	Y N
BMAMI201	707938 3728649	1 2	morning	DKF		PA	Old and Fresh Scat	ID	Y N
	/	1 2							Y N
	/	1 2							Y N
	/	1 2							Y N
	/	1 2							Y N

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes. ^ Morning = 1 hour beforeto 2 hours after sunrise; Evening = 2 hours before to 1 hour after sunset

[2] BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- BUOW Tracks, B- Bones (from degraded pellets), F-Feathers, Pr-prey remains, Ef-Eggshell fragments, St-Sticks, NONE-no sign detected.

[3] Burrow Status: O =Occupied (occupancy is confirmed by visual detection of owl), PA = Potentially Active (owl occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl but burrow is suitable), NS = Not Suitable (burrow not suitable for owl).

[4] Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts. If suitability changes from a previous survey, clearly describe why it has been revised or the change in conditions.

BSPP

Nesting Bird Survey Datasheets

July 2011

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: Blythe Location: Main Access (N side Footprint) Size of Survey Area: 409 Proposed Activity: clear & grub Page 1 of 2

Survey Date: 7/11/11 Construction to begin (estimate): 7/13/11

GPS Unit	Surveyor	GPS Unit	Surveyor
IND1	Carl Dem		
IND2	S Dayman		
IND3	Milo Rivera		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	6:33 AM	85.4	5-10	0	75% cc
End	8:30 AM	91	2-10	0	40% cc

Sunrise/set ____________ am/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
BNEMR003	unknown	0708170 / 3726250	1 2	none	NA	crevice within dead ironwood	1243	(Y) N	(N) B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] **Nesting Bird Activity or Evidence Present:** DD-distraction display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

[3] **Nest Status: A = Active** [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], **PA = Potentially Active** (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), **NA = Not Active** (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Site: Blythe Location: Main Access, N. side Survey Type: ✓ Bird ___ DT ___ WBO ___ Mammal ___ Survey Date: 7/11/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

- great heron
- CORA
- gambel's quail

Additional Comments/Notes:

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: Blythe Location: Main Access Rd North (Buffer only) Size of Survey Area: 40.9 Proposed Activity: Clear & Grub Page 1 of 3

Survey Date: 7/12/11 Construction to begin (estimate): 7/13/11

GPS Unit	Surveyor	GPS Unit	Surveyor
Trimble 1	Carl		
2	Mike		
3	Shelby		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	6:35 AM	82.6°F	0-1	0	2%
End	8:39	92.3°F	2-4	0	1%

Sunrise/set 5:37 (am)/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
—	no observations	/	1 2					Y N	N B
checked status of existing nests			1 2					Y N	N B
BNERB001		/	1 2		NA	no nest present anymore		(Y) N	(N) B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] Nesting Bird Activity or Evidence Present: DD-distraction display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

[3] Nest Status: A = Active [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Site: Blythe Location: Main Access Road, North Side Survey Type: Bird ✓ DT ___ WBO ___ Mammal Survey Date: 7/12/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

Whiptail, round-tailed ground squirrel, atrox, Sage sparrow
lesser nighthawks, black-tailed gnatcatcher, hummingbird (Anna's?)
NODD desert spiny lizard BNELB001 - no nest present anymore
BMARG002 - not suitable for desert WBO

Additional Comments/Notes:

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: Blythe Location: Main Access Road, North (Footprint) Size of Survey Area: 40.5 Proposed Activity: Clear & grub Page 3 of 3

Survey Date: 7/12/11 Construction to begin (estimate): 7/13/11

GPS Unit	Surveyor	GPS Unit	Surveyor
Indio 1	Carl D.		
2	Milo Rivera		
3	Shelly Dayman		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	8:39 AM	92.3	2-4	0	1%
End	12:23pm	103.5	4-6	0	0%

Sunrise/set 5:37 (am)/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
—	no observations		1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] **Nesting Bird Activity or Evidence Present: DD**-distraction display, **CB**- courtship behavior, **Ag**- agitated behavior, anxiety, or distress calls; **FM**-fresh nesting material, **E**-eggs, **I**- incubating female, **C**-chicks present, **F**- fledglings present, **Pr**-fresh prey remains, **Ef**-Eggshell fragments, **NONE**-no sign detected.

[3] **Nest Status: A = Active** [confirmed by visual detection of adult birds building (**AB**), sitting on nest (**AI**), or caring for young (**AY**)], **PA = Potentially Active** (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), **NA = Not Active** (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: BSAP Location: UXO clearance westside Size of Survey Area: 400x400' UXO Clearance Proposed Activity: UXO Clearance Western Plot Page 1 of 2

Survey Date: 7/12/11 ~~Construction~~ Clearance to begin (estimate): 7/13/11

GPS Unit	Surveyor	GPS Unit	Surveyor
SM 1	Ray Thomas		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	0700				
End	0830	93	0-5	0	0

Sunrise/set _____ am/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
Inact Ver Nest	Verdin	0726638/3728554	(1) 2	None	NA	Degraded nest, failing apart in ironwood tree	none	(Y) N	(N) B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] **Nesting Bird Activity or Evidence Present:** DD-distraction display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

[3] **Nest Status: A = Active** [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], **PA = Potentially Active** (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), **NA = Not Active** (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Reviewed by surveyor (initials, date): _____ *Approved by team leader (initials, date):* _____

Site: BSPP Location: UXO Clearance West side Survey Date: 7/12/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

Black-tailed gnatcatcher
Zebra tailed lizard
woodrat midden
sm. mammal burrows
rabbit scat
side blotched lizard

red barrel cactus outside UXO clearance area – within survey buffer. Coords – 0706596
3728439

Additional Comments/Notes:

UXO crew setting up grid system for UXO clearance East side grid. Will survey once area has been delineated.

Reviewed by surveyor (initials, date): _____ *Approved by team leader (initials, date):* _____

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: Blythe Location: Buffer of Main Access, central & south Size of Survey Area: ~~16.2~~ 25.7 acres Proposed Activity: Clear & grub Page 1 of 3

Survey Date: 7/13/11 Construction to begin (estimate): 7/14/11

GPS Unit	Surveyor	GPS Unit	Surveyor
#2	Mike Rivera		
#1	Carl De		
3	Shelly Dippman		

Ind

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	76.49F	5:59 AM	0-2	none	0% cc
End	8:45AM	92.3°F	1-3	none	0% cc

Sunrise/set 5:37 am/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
BNEMR004	unknown	0708374, 3723893	1 2	~~nest~~	NA	in palo verde, 10' up		Y N	N B
BNEJM004 (old point)	unknown (old point)	0708518, 3723900	1 2	nest (2)	NA	no birds, in palo verde cup nest, inactive	0	Y N	checking date N B
BNEJM003 (old point)	unknown (old point)	0708536, 3723880	1 2	nest	NA	cavity nest in dead tree no adults observed		Y N	checking date N B
BNEJM002 (old point)	wood pecker (old point)	0708551, 3723866	1 2	nest (2)	NA	two wood pecker holes, one fairly new, no adults observed		Y N	checking date N B
BNESD001	night hawk	0708538 3723609	1 2	~~nest~~	AI, C	female flushed & observed chick		Y N	~~N~~ B ROW 846
	↳ spoke to Ray, no buffer required as		1 2	no nest	was observed & because of distance from ROW			N	N B 213' 71m
BNEMK006 (old point)	old point	/	1 2		NA	no nest observed		Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] Nesting Bird Activity or Evidence Present: DD-distraction display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

[3] Nest Status: A = Active [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

8480
8450

Site: Blythe Location: Buffer of Main Access, central spur Survey Type: ✓ Bird ___ DT ___ WBO ___ Mammal Survey Date: 7/13/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

gambels, black-tailed gnatcatcher, CORA

NoWest @ BNEMK0006

LOSH

nighthawk

desert spiny lizard

whiptail

sideblotch

red-tailed hawk

Additional Comments/Notes:

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: Blythe Location: Main Access Rd. central & south footprint Size of Survey Area: 25.7 + 16.2 acres Proposed Activity: clear & grub Page 3 of 3

Survey Date: 7/13/11 Construction to begin (estimate): / /

GPS Unit	Surveyor	GPS Unit	Surveyor
Indio # 2	Milo Rivera		
# 1	Carl D.		
3	Shelly D.		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	8:45 AM	92.3	1-3	none	0% CC
End	1253 PM	103.5	2-6	none	0% CC

Sunrise/set 5:37 (am)/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
— no	observations	/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] **Nesting Bird Activity or Evidence Present: DD**-distraction display, **CB**- courtship behavior, **Ag**- agitated behavior, anxiety, or distress calls; **FM**-fresh nesting material, **E**-eggs, **I**- incubating female, **C**-chicks present, **F**- fledglings present, **Pr**-fresh prey remains, **Ef**-Eggshell fragments, **NONE**-no sign detected.

[3] **Nest Status: A = Active** [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], **PA = Potentially Active** (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), **NA = Not Active** (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

~~NESTING~~ BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

(footprint)

Site: Blythe Location: Main Access Road, Central Size of Survey Area: 25.7 Proposed Activity: clear & grub Page 1 of 2

Survey Date: 7/14/11 Construction to begin (estimate): / /

GPS Unit	Surveyor	GPS Unit	Surveyor
Indio 2	Milo Rivera		
Indio 1	Carl D.		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	0535	78.5	3-5	—	0%
End	1402	102.1	5-10	—	0%

Sunrise/set _____ am/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
— no	observations —	/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] **Nesting Bird Activity or Evidence Present:** DD-distraction display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

[3] **Nest Status: A = Active** [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], **PA = Potentially Active** (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), **NA = Not Active** (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Site: Blythe Location: Main Access Rd. Central Survey Type: (Bird) DT WBO Mammal Survey Date: 7/14/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

- LOSH

Additional Comments/Notes:

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: Blythe Location: South end of main Access Rd ⊕ buffer Size of Survey Area: 16.2 acres Proposed Activity: Clear & grub Page 1 of _

Survey Date: 7/15/11 Construction to begin (estimate): 7/18/11

GPS Unit	Surveyor	GPS Unit	Surveyor
Indio 1	Carl D.		
2	Mike Rivera		
3	Shelby Daymon		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)	
Start	6:11AM	79°F	0-1	–	0%	) buffer
End	8:32	87.5	0-3	–	0%.	
	10:51	101°F	2-4	–	0%	) main access road

Sunrise/set _____ am/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
BNESD002	black-tailed gnatcatcher	0708294/3722593 /	1 2	Ag	NA	-black-tailed gnatcatchers agitated behav., no		(Y) N	(N) B
		/	1 2			nest observed, later observed to be mobbing nighthawk so territorial, not nesting		Y N	N B
		/	1 2					Y N	N B
Checking status of existing nests:			1 2					Y N	N B
BNECB001		/	1 2		NA	two nests, both currently inactive		(Y) N	(N) B
BNEMJ002		/	1 2		NA	one nest, no adult activity		(Y) N	(N) B
		/	1 2					Y N	N B
Note: BMATP002 - likely kit fox burrow			→		within buffer, >20' no camera required			N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] **Nesting Bird Activity or Evidence Present:** DD-distraction display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

[3] **Nest Status: A = Active** [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], **PA = Potentially Active** (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), **NA = Not Active** (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Site: Blythe Location: South end of main area NE Survey Type: ✓ Bird ___ DT ___ WBO ___ Mammal ___ Survey Date: 7/15/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

LOSH
nighthawk
ash-throated flycatcher
white winged dove
verdin
Scott's oriole

round-tailed ground squirrel

Additional Comments/Notes:

BSPP off

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: 7/4/11 Location: UNO eastern site Size of Survey Area: 400'x400' Proposed Activity: UNO clearance Page 1 of 2

Survey Date: 7/14/11 Construction to begin (estimate): 7/18/11 UNO clearance

GPS Unit	Surveyor	GPS Unit	Surveyor
SM1	Raybourn		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	745				
End	0900	88	0-10	0	0

Sunrise/set _____ am/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
		/	(1) 2	None		No nests observed		(Y) N	(N) B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] **Nesting Bird Activity or Evidence Present:** DD-distraction display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

[3] **Nest Status: A = Active** [confirmed by visual detection of adult birds building (**AB**), sitting on nest (**AI**), or caring for young (**AY**)], **PA = Potentially Active** (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), **NA = Not Active** (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

[4] Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

*Reviewed by surveyor (initials, date):*_____ *Approved by team leader (initials, date):*_____

Site: BSAA Location: UXO eastern site Survey Date: 7/14/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

western whiptail
sm mammal burrows
~~kit fox~~ scat
DT bone

Additional Comments/Notes:

UXO clearance of this site may start on Monday.

Reviewed by surveyor (initials, date): _____ *Approved by team leader (initials, date):* _____

NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: BSPP Location: ESA Bot 4 Size of Survey Area: _____ Proposed Activity: ESA Fencing Page 1 of 1

Survey Date: 7/18/11 Construction to begin (estimate): 7/18/11

GPS Unit	Surveyor	GPS Unit	Surveyor
SM1	A Romero		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start					
End	830	94	0-5	0	25

Sunrise/set _____ am/pm

Potential Nests:

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed[2]	Current Nest Status[3] (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.)[4]	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
Bird nest	Unknown	704302/3728125	1 (2)	None	NA	Depredated nest	Photo 3	(Y) N	(N) B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

[2] **Nesting Bird Activity or Evidence Present: DD**-distraction display, **CB**- courtship behavior, **Ag**- agitated behavior, anxiety, or distress calls; **FM**-fresh nesting material, **E**-eggs, **I**- incubating female, **C**-chicks present, **F**- fledglings present, **Pr**-fresh prey remains, **Ef**-Eggshell fragments, **NONE**-no sign detected.

[3] **Nest Status: A = Active** [confirmed by visual detection of adult birds building (**AB**), sitting on nest (**AI**), or caring for young (**AY**)], **PA = Potentially Active** (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), **NA = Not Active** (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

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Reviewed by surveyor (initials, date): _____ *Approved by team leader (initials, date):* _____

SWCA
ENVIRONMENTAL CONSULTANTS
Sound Science. Creative Solutions.

Pasadena Office
150 S. Arroyo Parkway, 2nd Floor
Pasadena, CA 91105
Tel 626.240.0587 Fax 626.240.0607
www.swca.com

Mark Luttrell
Program Manager
AECOM
2101 Webster Street, Suite 1900
Oakland, CA 94612

August 9, 2011

RE: PAL-5, Summary of paleontological monitoring and mitigation activities at the Blythe Solar Power Project (BSPP) for the period of July 2011.

Dear Mr. Luttrell,

This letter is to update you on SWCA Environmental Consultants paleontological monitoring and mitigation activities at the BSPP site during the period of July 1 to July 31, 2011. During this period, no activities resulted in trenching or excavations below 5 feet in depth and no work was performed in designated paleontologically sensitive areas requiring paleontological monitoring. In accordance with Conditions of Certification (COCs) PAL-2 and PAL-5, the Lead Paleontological Monitor, Jessica DeBusk, consulted with the construction field manager on scheduled work activities and determined that no work was planned to occur in high sensitivity fossil bearing areas of the site. No significant paleontological resources were discovered and no issues or concerns regarding paleontological resources were identified during this time.

It is a pleasure working with you on this project. If you have any questions please do not hesitate to contact me.

Respectfully,

Cara Corsetti, M.S.
Principal
Paleontological Resources Specialist, BSPP

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 7
Worker Environmental Awareness Training
Sign-In Sheets

Certification of Completion
Worker Environmental Awareness Program
Blythe Solar Power Project (09-AFC-6)

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	Timothy Morales	SWCA E.C.	
2.	Anne Brister Halaney	SWCA E.C.	
3.	Tricia Dodds	SWCA	
4.	Kristin Rugroden	SWCA	
5.	Wayne Glenny	AECOM	
6.	Greg Greenberg	SWCA	
7.			
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28.			
29.			
30.			

Cultural Trainer: _____ Signature: _____ Date: ___/___/___

Paleo Trainer: _____ Signature: _____ Date: ___/___/___

Biological Trainer: _____ Signature: _____ Date: __/___/___

ADMINISTRATOR: ERICK ESPINOSA 7/14/11

Certification of Completion
Worker Environmental Awareness Program
Blythe Solar Power Project (09-AFC-6)

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	Gina Barnett	Tech 1/AECOM	Gina Barnett
2.	KRISTIN SIDDALL	TECH 1/AECOM	Kristin Siddall
3.	REMIJIO GARZA	TECH 1/AECOM	
4.	Carl Demetropoulos	Biologist/Aecom	Carl Demetropoulos
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30.			

Cultural Trainer: _____ Signature: _____ Date: ___/___/___

Paleo Trainer: _____ Signature: _____ Date: ___/___/___

Biological Trainer: _____ Signature: _____ Date: __/___/___

ADMINISTRATOR · ERICK ESPINOSA 7/11/11

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 8
SWPPP Inspection Checklists

TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 7/6/11

TORTOISE FENCE

✓ Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.

✓ Are post firmly embedded and straight? If no re-embed and straighten or brace.

✓ Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.

✓ Is there any debris on or along the fence? If yes remove.

✓ Has the fence been cut? If so splice or replace section.

✓ Is the fence sagging? If yes straighten or replace section.

SILT FENCE

✓ Is the fabric bottom buried? If no, dig out soil and bury bottom.

✓ Is the fabric torn or sagging? If yes, repair or replace.

✓ Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.

✓ Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.

✓ Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.

✓ Has silt fence been in place for over 8 months? If yes replace.

CONSTRUCTION ENTRANCES

N/A Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?

✓ Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.

✓ Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓ Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exists sweep or vacuum to remove within 24 hours.

N/A Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

EROSION CONTROL MEASURES

✓ Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓ Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓ Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓ Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓ Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

MATERIAL STORAGE

✓ Are construction materials being stored in an area located away from storm drains and inlets? If no construct an enclosure or berm around these areas to prevent storm water contact.

✓ Are stockpiled construction materials that are not actively being used covered and bermed?

RUN-ON AND RUN-OFF CONTROLS

✓ Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES

✓ Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?

✓ Are all wasted disposal containers being covered at the end of every business dav or during a rain event?

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR: Erick Espinosa DATE: 7/6/11

DAYS SINCE LAST RAINFALL: 7/6/11 AMOUNT OF LAST RAINFALL 1.63 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
(2) westside of MPR	TF Knocked Down		Yes	Jerry O.	7/8/11
Eastride of MPR	Check Dams Knocked Down		Yes	Jerry O.	7/8/11
Eastside of MPR	wash under silt Fence		Yes	Jerry O.	7/8/11

GENERAL NOTES:
This was the strongest rain event so far.
Varias areas on the main Plant Road being fixed.

TO BE PERFORMED BY: Jerry Ontiveros ON OR BEFORE: 7/8/11

INSPECTOR: John Upton DATE: 7/8/11 TIME: 11:30am

COMPLETED BY: Erick Espinosa DATE: 7/8/11 TIME: 3:00pm

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: Erick Espinosa

Name: Erick Espinosa

Title: Environmental Coordinator

Date: 7/8/11

TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 7/12/11

TORTOISE FENCE

✓ Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.

✓ Are post firmly embedded and straight? If no re-embed and straighten or brace.

✓ Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.

✓ Is there any debris on or along the fence? If yes remove.

✓ Has the fence been cut? If so splice or replace section.

✓ Is the fence sagging? If yes straighten or replace section.

SILT FENCE

✓ Is the fabric bottom buried? If no, dig out soil and bury bottom.

✓ Is the fabric torn or sagging? If yes, repair or replace.

✓ Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.

✓ Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.

✓ Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.

✓ Has silt fence been in place for over 8 months? If yes replace.

CONSTRUCTION ENTRANCES

N/A Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?

✓ Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.

✓ Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓ Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exists sweep or vacuum to remove within 24 hours.

N/A Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

EROSION CONTROL MEASURES

✓ Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓ Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓ Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓ Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓ Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

MATERIAL STORAGE

✓ Are construction materials being stored in an area located away from storm drains and inlets? If no construct an enclosure or berm around these areas to prevent storm water contact.

✓ Are stockpiled construction materials that are not actively being used covered and bermed?

RUN-ON AND RUN-OFF CONTROLS

✓ Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES

✓ Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?

✓ Are all wasted disposal containers being covered at the end of every business dav or during a rain event?

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR: John Upton DATE: 7/14/11

DAYS SINCE LAST RAINFALL: 7/6/11 AMOUNT OF LAST RAINFALL 1.63 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
Eastside of MPR	Silt Fence Frayed		Yes	Jerry O.	7/14/11

GENERAL NOTES:

TO BE PERFORMED BY: Jerry Ontiveros ON OR BEFORE: 7/14/11

INSPECTOR: John Upton DATE: 7/14/11 TIME: 12pm

COMPLETED BY: Erick Espinosa DATE: 7/14/11 TIME: 2:00pm

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: Erick Esplnosa

Name: Erick Esplnosa

Title: Environmental Coordinator

Date: 7/14/11

TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 7/22/11

TORTOISE FENCE

✓ Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.

✓ Are post firmly embedded and straight? If no re-embed and straighten or brace.

✓ Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.

✓ Is there any debris on or along the fence? If yes remove.

✓ Has the fence been cut? If so splice or replace section.

✓ Is the fence sagging? If yes straighten or replace section.

SILT FENCE

✓ Is the fabric bottom buried? If no, dig out soil and bury bottom.

✓ Is the fabric torn or sagging? If yes, repair or replace.

✓ Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.

✓ Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.

✓ Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.

✓ Has silt fence been in place for over 8 months? If yes replace.

CONSTRUCTION ENTRANCES

N/A Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?

✓ Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.

✓ Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓ Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exists sweep or vacuum to remove within 24 hours.

N/A Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

EROSION CONTROL MEASURES

✓ Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓ Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓ Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓ Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓ Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

MATERIAL STORAGE

✓ Are construction materials being stored in an area located away from storm drains and inlets? If no construct an enclosure or berm around these areas to prevent storm water contact.

✓ Are stockpiled construction materials that are not actively being used covered and bermed?

RUN-ON AND RUN-OFF CONTROLS

✓ Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES

✓ Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?

✓ Are all wasted disposal containers being covered at the end of every business day or during a rain event?

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR: John Upton DATE: 7/21/11

DAYS SINCE LAST RAINFALL: 7/6/11 AMOUNT OF LAST RAINFALL 1.63 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
None					

GENERAL NOTES:

TO BE PERFORMED BY: N/A ON OR BEFORE:

INSPECTOR: N/A DATE: TIME:

COMPLETED BY: Erick Espinosa DATE: 7/21/11 TIME: 4pm

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: Erick Espinosa

Name: Erick Espinosa

Title: Environmental Coordinator

Date: 7/21/11

TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 7/27/11

TORTOISE FENCE

✓ Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.

✓ Are post firmly embedded and straight? If no re-embed and straighten or brace.

✓ Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.

✓ Is there any debris on or along the fence? If yes remove.

✓ Has the fence been cut? If so splice or replace section.

✓ Is the fence sagging? If yes straighten or replace section.

SILT FENCE

✓ Is the fabric bottom buried? If no, dig out soil and bury bottom.

✓ Is the fabric torn or sagging? If yes, repair or replace.

✓ Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.

✓ Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.

✓ Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.

✓ Has silt fence been in place for over 8 months? If yes replace.

CONSTRUCTION ENTRANCES

N/A Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?

✓ Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.

✓ Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓ Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exists sweep or vacuum to remove within 24 hours.

N/A Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

EROSION CONTROL MEASURES

✓ Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓ Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓ Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓ Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓ Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

MATERIAL STORAGE

✓ Are construction materials being stored in an area located away from storm drains and inlets? If no construct an enclosure or berm around these areas to prevent storm water contact.

✓ Are stockpiled construction materials that are not actively being used covered and bermed?

RUN-ON AND RUN-OFF CONTROLS

✓ Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES

✓ Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?

✓ Are all wasted disposal containers being covered at the end of every business day or during a rain event?

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR: John Upton DATE: 7/27/11

DAYS SINCE LAST RAINFALL: 7/6/11 AMOUNT OF LAST RAINFALL 1.63 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
Solar Field 1A South side	Torn Fence		Yes	Jerry O.	7/27/11
E-W connector Road South side	Frayed Fence		Yes	Jerry O.	7/27/11

GENERAL NOTES:

TO BE PERFORMED BY: Jerry O. ON OR BEFORE: 7/27/11

INSPECTOR: John Upton DATE: 7/27/11 TIME: 12:30

COMPLETED BY: Erick Espinosa DATE: 7/27/11 TIME: 2:30

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: Erick Espinora

Name: Erick Espinora

Title: Environmental Coordinator

Date: 7/27/11

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 9
Daily Water Usage Log

Table 2-1. Daily Water Meter Usage Log

Meter #	Date	Meter Read	Daily Water Use (gal)	Water Use to Date (gal)	Water Use to Date (Acre-Feet)	Kiewit Rep.	Pumpimg Times and Duration	Pump Running Time (minutes)
Test Well #2	12/8/2010	3,100	0	0	0	Factory Testing		
Test Well #2	12/14/2010	15,300	12,200	12,200	0.04	John Upton		
Test Well #2	12/15/2010	20,200	4,900	17,100	0.05	Erick Espinosa		
Test Well #2	12/20/2010	34,700	14,500	31,600	0.10	Mike Moneymaker		
Test Well #2	12/28/2010	61,900	27,200	58,800	0.18	Mike Moneymaker		
Test Well #2	12/29/2010	78,600	16,700	75,500	0.23	Mike Moneymaker		
Test Well #2	12/30/2010	88,900	10,300	85,800	0.26	Mike Moneymaker		
Test Well #2	1/3/2011	118,400	29,500	115,300	0.35	Mike Moneymaker		
Test Well #2	1/4/2011	137,600	19,200	134,500	0.41	Mike Moneymaker		
Test Well #2	1/5/2011	163,000	25,400	159,900	0.49	Mike Moneymaker		
Test Well #2	1/6/2011	172,000	9,000	168,900	0.52	Mike Moneymaker		
Test Well #2	1/7/2011	180,100	8,100	177,000	0.54	Mike Moneymaker		
Test Well #2	1/10/2011	187,000	6,900	183,900	0.56	Mike Moneymaker		
Test Well #2	1/11/2011	210,000	23,000	206,900	0.63	Mike Moneymaker	7:45am-8:25am, 8:45am-8:55am, 11:10am-11:20am	40, 10, 10
Test Well #2	1/12/2011	275,700	65,700	272,600	0.84	Mike Moneymaker	7:45am-8:20am, 11:20am-11:52am, 12:05-12:15pm, 1pm-1:09pm, 1:36-1:55, 2:03-2:11, 2:28-2:46	
Test Well #2	1/13/2011	297,800	22,100	294,700	0.90	Mike Moneymaker	8:00am-8:10am, 1:50pm-2:08pm, 2:26pm-2:36pm	
Test Well #2	1/14/2011	306,800	9,000	303,700	0.93	Mike Moneymaker	12:47pm-1:05pm	
Test Well #2	1/18/2011	339,700	32,900	336,600	1.03	Mike Moneymaker	8:25am-8:46am, 11:11am-11:30am, 1:24pm-1:42pm, 2:24pm-2:32pm	
Test Well #2	1/19/2011	375,800	36,100	372,700	1.14	Mike Moneymaker	8:16am-8:31am, 11:45am-12:08pm	
Test Well #2	1/20/2011	380,100	4,300	377,000	1.16	Mike Moneymaker	7:55am-8:10am, 9:05am-9:22am, 2:03pm-2:12pm	
Test Well #2	1/21/2011	388,200	8,100	385,100	1.18	Mike Moneymaker	8:05-8:21am	
Test Well #2	1/24/2011	406,500	18,300	403,400	1.24	Mike Moneymaker	7:54-8:03am, 2:13-2:31pm	
Test Well #2	1/25/2011	415,900	9,400	412,800	1.27	Mike Moneymaker	2:25-2:45pm	
Test Well #2	1/26/2011	442,300	26,400	439,200	1.35	Mike Moneymaker	11:16-11:34, 1:05-1:18, 2:32-2:51pm	
Test Well #2	1/27/2011	470,200	27,900	467,100	1.43	Mike Moneymaker	8:24-8:51, 12:58-1:17, 2:02-2:19	
Test Well #2	1/28/2011	497,700	27,500	494,600	1.52	Mike Moneymaker	8:07-8:24, 11:43-12:05, 2:03-2:25pm	
Test Well #2	1/31/2011	521,400	23,700	518,300	1.59	Mike Moneymaker	7:00am-7:08am, 7:11am-7:19am, 11:02-11:18am, 2:20pm-2:35pm	
Test Well #2	2/1/2011	544,300	22,900	541,200	1.66	Mike Moneymaker	7:04am-7:08am, 7:28am-7:33am, 8:21am-8:28am, 11:07am-11:14am, 11:31am-11:37am, 2:08pm-2:25pm	
Test Well #2	2/2/2011	565,700	21,400	562,600	1.73	Mike Moneymaker	7:15-7:20, 7:46-7:53, 11:26-11:33, 12:50-1:00	
Test Well #2	2/3/2011	589,300	23,600	586,200	1.80	Mike Moneymaker	10:31-10:49, 1:31-1:40, 2:18-2:26	
Test Well #2	2/4/2011	605,200	15,900	602,100	1.85	Mike Moneymaker	7:37am-7:48am, 11:31am-11:46am, 1:42pm-1:54pm	
Test Well #2	2/7/2011	624,800	19,600	621,700	1.91	Mike Moneymaker	7:45am-8:00am, 1:14pm-1:28pm, 2:05pm-2:13pm	
Test Well #2	2/8/2011	649,700	24,900	646,600	1.98	Mike Moneymaker	7:26am-7:40am, 10:51am- 11:04am, 1:15pm-1:29pm, 2:24pm-2:30pm	
Test Well #2	2/9/2011	668,900	19,200	665,800	2.04	Mike Moneymaker	7:44am- 7:56am, 12:50pm- 1:04pm, 2:19pm-2:30pm	
Test Well #2	2/10/2011	689,800	20,900	686,700	2.11	Mike Moneymaker	7:31am-7:44am, 11:55am-12:10pm, 1:58pm-2:10pm, 2:20pm-2:27pm	
Test Well #2	2/11/2011	707,200	17,400	704,100	2.16	Mike Moneymaker	8:00am-8:14am- 12:55pm-1:10pm, 2:06pm-2:13pm	
Test Well #2	2/14/2011	725,500	18,300	722,400	2.22	Mike Moneymaker	7:14-7:31, 11:24-11:39, 2:21-2:30pm	
Test Well #2	2/15/2011	746,200	20,700	743,100	2.28	Mike Moneymaker	7:49-8:08, 12:08-12:21, 2:18-2:30pm	
Test Well #2	2/16/2011	766,500	20,300	763,400	2.34	Mike Moneymaker	7:45-8:03, 11:53-12:07, 2:16-2:24	
Test Well #2	2/17/2011	783,800	17,300	780,700	2.40	Mike Moneymaker	7:51-8:11, 11:38-11:54	
Test Well #2	2/18/2011	795,000	11,200	791,900	2.43	Mike Moneymaker	7:15-7:30, 12:34-12:41pm	
Test Well #2	2/22/2011	813,000	18,000	809,900	2.49	Mike Moneymaker	7:14-7:25, 10:03-10:16, 1:56-2:15	
Test Well #2	2/23/2011	828,500	15,500	825,400	2.53	Mike Moneymaker	7:54-8:13, 2:04-2:16	
Test Well #2	2/24/2011	842,600	14,100	839,500	2.58	Mike Moneymaker	7:22-7:34, 11:31-11:46	
Test Well #2	2/25/2011	855,400	12,800	852,300	2.62	Mike Moneymaker	7:17-7:30, 1:47-1:58pm	
Test Well #2	2/28/2011	869,700	14,300	866,600	2.66	Mike Moneymaker	7:18-7:33, 1:57-2:10pm	
Test Well #2	3/1/2011	889,400	19,700	886,300	2.72	Mike Moneymaker	7:28-7:43, 11:30-11:46, 2:11-2:22pm	
Test Well #2	3/2/2011	904,000	14,600	900,900	2.76	Mike Moneymaker	7:18-7:31, 1:24-1:40	
Test Well #2	3/3/2011	914,500	10,500	911,400	2.80	Mike Moneymaker	7:21-7:36, 2:11-2:20	
Test Well #2	3/4/2011	944,000	29,500	940,900	2.89	Mike Moneymaker	7:21-7:37, 8:51-9:06, 10:52-11:07, 12:41-12:56	
Test Well #2	3/7/2011	958,500	14,500	955,400	2.93	Mike Moneymaker	7:30-7:45, 1:36-1:50	
Test Well #2	3/8/2011	975,500	17,000	972,400	2.98	Mike Moneymaker	7:28-7:44, 11:55-12:10, 2:13-2:20	
Test Well #2	3/9/2011	995,100	19,600	992,000	3.04	Mike Moneymaker	7:34-7:50, 12:51-1:06, 2:05-2:15	
Test Well #2	3/10/2011	1,017,700	22,600	1,014,600	3.11	Mike Moneymaker	9:15-9:31, 11:56-12:13, 1:47-2:04	
Test Well #2	3/11/2011	1,045,800	28,100	1,042,700	3.20	Mike Moneymaker	7:44-7:55, 8:31-8:44, 11:27-11:34, 1:01-1:15, 1:38-1:44	
Test Well #2	3/14/2011	1,071,800	26,000	1,068,700	3.28	Mike Moneymaker	7:19-7:30, 9:57-10:06, 11:03-11:17, 1:24-1:35, 2:02-2:09	

Table 2-1. Daily Water Meter Usage Log

Meter #	Date	Meter Read	Daily Water Use (gal)	Water Use to Date (gal)	Water Use to Date (Acre-Feet)	Kiewit Rep.	Pumpimg Times and Duration	Pump Running Time (minutes)
Test Well #2	3/15/2011	1,104,400	32,600	1,101,300	3.38	Mike Moneymaker	8:04-8:25, 10:12-10:25, 11:38-11:52, 1:30-1:45, 2:18-2:22pm	
Test Well #2	3/16/2011	1,141,500	37,100	1,138,400	3.49	Mike Moneymaker	7:15-7:22, 7:48-8:04, 9:24-9:40, 11:08-11:28,1:19-1:30, 1:59-2:12	
Test Well #2	3/17/2011	1,179,700	38,200	1,176,600	3.61	Mike Moneymaker	7:52-8:12, 9:25-9:40, 10:56-11:15, 1:02-1:12, 1:44-1:56, 2:24-2:27	
Test Well #2	3/18/2011	1,211,600	31,900	1,208,500	3.71	Mike Moneymaker	8:15-8:30, 9:32-9:47, 11:37-11:50, 1:34-1:48, 2:18-2:22pm	
Test Well #2	3/21/2011	1,245,800	34,200	1,242,700	3.81	Mike Moneymaker	7:30-7:44, 8:58-9:13, 10:27-10:41, 1:35-1:50, 2:12-2:23pm	
Test Well #2	3/22/2011	1,278,200	32,400	1,275,100	3.91	Mike Moneymaker	7:29-7:41, 9:53-10:09, 11:29-11:42, 1:30-1:40, 2:08-2:21pm	
Test Well #2	3/23/2011	1,311,100	32,900	1,308,000	4.01	Mike Moneymaker	7:31-7:45, 9:32-9:46, 11:15-11:29, 1:09-1:20, 1:54-2:06pm	
Test Well #2	3/24/2011	1,343,600	32,500	1,340,500	4.11	Mike Moneymaker	7:42-7:57, 9:22-9:36, 11:16-11:31, 1:26-1:40, 2:16-2:22pm	
Test Well #2	3/25/2011	1,382,300	38,700	1,379,200	4.23	Mike Moneymaker	7:34-7:46, 9:39-9:54, 10:40-10:55, 11:47-12:02, 1:20-1:36, 2:02-2:10	
Test Well #2	3/28/2011	1,425,100	42,800	1,422,000	4.36	Mike Moneymaker	7:19-7:35, 8:39-8:54, 9:57-10:12, 11:22-11:37, 1:10-1:25pm	
Test Well #2	3/29/2011	1,458,700	33,600	1,455,600	4.47	Mike Moneymaker	7:27-7:41, 10:36-10:55, 11:38-11:50, 1:05-1:15, 1:53-2:07	
Test Well #2	3/30/2011	1,498,400	39,700	1,495,300	4.59	Mike Moneymaker	7:28-7:35, 8:54-9:15, 10:00-10:10, 11:43-12:03, 1:00-1:15, 2:04-2:16	
Test Well #2	3/31/2011	1,534,100	35,700	1,531,000	4.70	Mike Moneymaker	7:26-7:33, 7:51-8:04, 9:44- 9:50, 10:37-10:47, 11:22-11:32, 1:22-1:34, 2:01-2:16	
Test Well #2	4/1/2011	1,564,500	30,400	1,561,400	4.79	Mike Moneymaker	7:19-7:25, 8:34-8:47, 9:16-9:24, 10:02-10:11, 11:17-11:33; 12:	
Test Well #2	4/4/2011	1,604,800	40,300	1,601,700	4.92	Mike Moneymaker	7:27-7:43, 8:19-8:28, 9:57-10:07, 10:32-10:44, 11:34-11:45, 1:28-1:38, 1:55-2:10pm	
Test Well #2	4/5/2011	1,638,700	33,900	1,635,600	5.02	Mike Moneymaker	7:23-7:30, 7:47-7:57, 8:33-8:44, 11:06-11:21, 12:20-12:32, 1:44-1:58pm	
Test Well #2	4/6/2011	1,673,900	35,200	1,670,800	5.13	Mike Moneymaker	7:30-7:39, 8:42-8:52, 9:09-9:20, 10:15-10:23, 11:06-11:16, 1:04-1:15, 1:28-1:37, 2:18-2:21pm	
Test Well #2	4/7/2011	1,711,400	37,500	1,708,300	5.24	Mike Moneymaker	7:22-7:33, 8:50-8:59, 9:26-9:38, 11:01-11:11, 11:47-11:57, 12:57-1:06, 1:28-1:35, 2:08-2:20pm	
Test Well #2	4/8/2011	1,748,200	36,800	1,745,100	5.36	Mike Moneymaker	7:31-7:37, 8:26-8:37, 8:52-9:02, 9:34-9:44, 11:13-11:23, 12:50-12:58, 1:29-1:39, 1:57-2:09pm	
Test Well #2	4/11/2011	1,781,200	33,000	1,778,100	5.46	Mike Moneymaker	7:33-7:47, 9:33-9:46, 10:53-11:02, 11:35-11:45, 12:58-1:09, 1:24-1:31, 2:13-2:18pm	
Test Well #2	4/12/2011	1,813,800	32,600	1,810,700	5.56	Mike Moneymaker	7:24-7:34, 8:44-8:55, 10:21-10:31, 10:45-10:55, 11:27-11:40, 1:39-1:54pm	
Test Well #2	4/13/2011	1,850,200	36,400	1,847,100	5.67	Mike Moneymaker	7:23-7:38, 9:21-9:37, 11:19-11:32, 12:15-12:26, 1:24-1:34, 2:12-2:21pm	
Test Well #2	4/14/2011	1,889,300	39,100	1,886,200	5.79	Mike Moneymaker	7:25-7:36, 7:55-8:06, 10:15-10:26, 10:42-10:55, 11:52-12:07, 1:15-1:25, 2:04-2:13pm	
Test Well #2	4/15/2011	1,922,700	33,400	1,919,600	5.89	Mike Moneymaker	7:29-7:39, 8:28-8:40, 10:40-10:57, 11:21-11:31, 12:05-12:16, 1:31-1:41, 2:09-2:19pm	
Test Well #2	4/18/2011	1,958,500	35,800	1,955,400	6.00	Mike Moneymaker	7:34-7:48, 8:55-9:09, 10:45-11:00, 1:00-1:10, 2:00-2:16pm	
Test Well #2	4/19/2011	1,989,500	31,000	1,986,400	6.10	Mike Moneymaker	7:21-7:33, 10:06-10:18, 11:54-12:09, 1:42-1:58, 2:16-2:21pm	
Test Well #2	4/20/2011	2,003,700	14,200	2,000,600	6.14	Mike Moneymaker	7:24-7:38, 11:52-12:07pm	
Test Well #2	4/21/2011	2,031,100	27,400	2,028,000	6.22	Mike Moneymaker	7:32-7:47, 10:32-10:43, 11:38-11:48, 12:47-12:59, 1:46-2:02pm	
Test Well #2	4/22/2011	2,065,700	34,600	2,062,600	6.33	Mike Moneymaker	7:48-8:05, 8:36-8:47, 9:29-9:39, 11:11-11:21, 12:03-12:13, 12:47-12:57pm	
Test Well #2	4/25/2011	2,095,800	30,100	2,092,700	6.42	Mike Moneymaker	6:31-6:43, 8:01-8:11, 10:04-10:14, 11:02-11:13, 12:51-1:09pm	
Test Well #2	4/26/2011	2,125,800	30,000	2,122,700	6.51	Mike Moneymaker	6:32-6:44, 8:10-8:21, 9:41-9:55, 11:41-11:56, 1:16-1:24pm	
Test Well #2	4/27/2011	2,155,900	30,100	2,152,800	6.61	Mike Moneymaker	6:34-6:49, 8:58-9:13, 10:34-10:48, 12:50-1:05pm	
Test Well #2	4/28/2011	2,204,600	48,700	2,201,500	6.76	Mike Moneymaker	6:33-6:48, 8:22-8:35, 9:33-9:46, 10:15-10:32, 11:30-11:36, 11:45-11:55, 12:18-12:27, 2:47-2:57pm	
Test Well #2	4/29/2011	2,247,900	43,300	2,244,800	6.89	Mike Moneymaker	12:55-1:00, 1:56-2:00	
Test Well #2	5/2/2011	2,272,000	24,100	2,268,900	6.96	Mike Moneymaker	5:55-6:12, 8:44-8:54, 10:18-10:33, 1:19-1:25pm	
Test Well #2	5/3/2011	2,302,800	30,800	2,299,700	7.06	Mike Moneymaker	6:14-6:27, 7:41-7:56, 9:43-9:56, 11:41-11:55, 1:03-1:13	
Test Well #2	5/4/2011	2,329,700	26,900	2,326,600	7.14	Mike Moneymaker	6:09-6:23, 9:04-9:21, 10:05-10:19, 12:06-12:20pm	
Test Well #2	5/5/2011	2,367,300	37,600	2,364,200	7.26	Mike Moneymaker	6:07-6:20, 7:05-7:18, 8:31-8:45, 10:05-10:18, 11:24-11:37, 12:45-12:58pm	
Test Well #2	5/6/2011	2,394,900	27,600	2,391,800	7.34	Mike Moneymaker	6:15-6:30, 7:12-7:24, 9:31-9:47, 12:24-12:36	
Test Well #2	5/9/2011	2,430,200	35,300	2,427,100	7.45	Mike Moneymaker	6:06-6:19, 7:01-7:14, 9:09-9:22, 10:41-10:54, 12:13-12:27, 1:19-1:26	
Test Well #2	5/10/2011	2,457,300	27,100	2,454,200	7.53	Mike Moneymaker	6:09-6:25, 7:19-7:33, 9:20-9:34, 12:47-1:01pm	
Test Well #2	5/11/2011	2,491,500	34,200	2,488,400	7.64	Mike Moneymaker	6:44-6:56, 8:45-9:09, 10:28-10:34, 12:06-12:18, 1:13-1:30pm	
Test Well #2	5/12/2011	2,524,600	33,100	2,521,500	7.74	Mike Moneymaker	6:14-6:26, 7:12-7:25, 8:57-9:11, 10:34-10:46, 12:15-12:29, 1:19-1:25pm	
Test Well #2	5/13/2011	2,536,500	11,900	2,533,400	7.77	Mike Moneymaker	6:10-6:23, 7:08-7:21am	
Test Well #2	5/16/2011	2,577,000	40,500	2,573,900	7.90	Mike Moneymaker	6:02-6:17, 7:03-7:16, 8:03-8:16, 8:59-9:13, 9:55-10:08, 10:49-11:03	
Test Well #2	5/17/2011	2,601,800	24,800	2,598,700	7.98	Mike Moneymaker	10:47-11:00, 11:36-11:51, 12:12-12:26, 1:01-1:11pm	
Test Well #2	5/18/2011	2,635,300	33,500	2,632,200	8.08	Mike Moneymaker	9:34-9:48, 10:32-10:46, 11:44-11:58, 1:26-1:40, 2:44-2:57pm	
Test Well #2	5/19/2011	2,675,800	40,500	2,672,700	8.20	Mike Moneymaker	6:04-6:18, 7:08-7:22, 8:40-8:54, 9:51-10:05, 11:06-11:21, 12:23-12:37pm	
Test Well #2	5/20/2011	2,729,600	53,800	2,726,500	8.37	Mike Moneymaker	6:16-6:30, 7:21-7:35, 8:18-9:02, 10:25-10:47, 12:04-12:18pm	

Table 2-1. Daily Water Meter Usage Log

Meter #	Date	Meter Read	Daily Water Use (gal)	Water Use to Date (gal)	Water Use to Date (Acre-Feet)	Kiewit Rep.	Pumpimg Times and Duration	Pump Running Time (minutes)
Test Well #2	5/23/2011	2,769,600	40,000	2,766,500	8.49	Mike Moneymaker	6:47-7:01, 7:38-7:44, 7:58-8:04, 8:24-8:31, 8:38-8:52, 9:02-9:10, 9:51-9:57, 10:27-10:34am	
Test Well #2	5/24/2011	2,814,700	45,100	2,811,600	8.63	Mike Moneymaker	5:30-5:37, 6:05-6:12, 6:35-6:49, 6:55-7:02, 7:53-8:00, 8:04-8:18, 9:03-9:10, 9:35-9:49, 11:12-11:25, 12:44-12:57pm	
Test Well #2	5/25/2011	2,865,400	50,700	2,862,300	8.78	Mike Moneymaker	5:53-6:00, 6:12-6:19, 6:45-7:06, 7:22-7:29, 8:06-8:20, 8:28-8:35, 9:08-9:13, 9:38-9:50, 11:26-11:40, 12:38-12:54	
Test Well #2	5/26/2011	2,918,400	53,000	2,915,300	8.95	Mike Moneymaker	5:30-5:37, 5:57-6:06, 6:28-6:35, 6:53-7:07, 7:12-7:19, 7:53-8:00, 8:18-8:31, 8:51-8:58, 9:15-9:22, 9:40-9:54, 10:54-11:07, 12:32-12:45pm	
Test Well #2	5/27/2011	2,982,800	64,400	2,979,700	9.14	Mike Moneymaker	6:52-7:06, 8:05-8:19, 9:34-9:47, 11:02-11:16,5:30-5:37,6:05-6:12,6:30-6:37,7:13-7:20,7:45-7:52,8:27-8:34,9:04-9:11,9:28-9:35,9:55-10:02,10:31-10:39,10:57-11:04	
Test Well #2	5/31/2011	3,054,100	71,300	3,051,000	9.36	Mike Moneymaker	7:33-7:47,8:51-9:04,10:15-10:28,11:31-11:45,12:52-1:06,5:30-5:37,6:00-6:07,6:24-6:31,6:52-6:59,7:27-7:34,8:00-8:07,9:13-9:20,9:36-9:43,10:04-10:11,10:35-10:42,11:12-11:19	
Test Well #2	6/1/2011	3,104,800	50,700	3,101,700	9.52	Mike Moneymaker	6:50-7:04, 8:10-8:23, 9:42-9:58,5:30-5:37,5:55-6:02,6:15-6:22,6:45-6:52,7:12-7:19,7:47-7:54,8:10-8:17,9:59-10:06,10:30-10:37,11:07-11:14,11:22-11:29	
Test Well #2	6/2/2011	3,177,200	72,400	3,174,100	9.74	Mike Moneymaker	7:05-7:19, 8:19-8:33, 9:32-9:46, 10:48-11:02, 12:15-12:29pm,5:39-5:46,6:02-6:09,6:33-6:47,7:26-7:33,7:53-8:00,8:41-8:48,9:10-9:17,9:30-9:37,10:35-10:42,11:09-11:16	
Test Well #2	6/3/2011	3,225,200	48,000	3,222,100	9.89	Mike Moneymaker	7:07-7:21, 8:16-8:29, 9:35-9:48, 11:13-11:27pm,5:36-5:43,6:01-6:08,6:22-6:29,6:46-6:53,8:00-8:07,9:14-9:21,10:21-10:28,10:50-10:57	
Test Well #2	6/6/2011	3,282,800	57,600	3,279,700	10.07	Mike Moneymaker	6:33-6:47,8:27-8:42,9:55-10:09,11:08-11:22,12:30-12:44,5:38-5:45,5:58-6:05,6:17-6:24,6:50-6:57,7:41-7:48,8:41-8:48,10:06-10:13,11:20-11:27	
Test Well #2	6/7/2011	3,332,500	49,700	3,329,400	10.22	Mike Moneymaker	6:50-7:05,8:46-9:00,10:25-10:38,12:15-12:30, 5:35-5:42,6:02-6:09,6:30-6:37,7:53-8:00,8:21-8:28,9:07-9:14,11:07-11:14,11:28-11:35	
Test Well #2	6/8/2011	3,392,600	60,100	3,389,500	10.40	Mike Moneymaker	6:50-7:04, 8:36-8:49, 9:53-10:07, 11:09-11:22, 12:25-12:38pm	
Test Well #2	6/9/2011	3,459,500	66,900	3,456,400	10.61	Mike Moneymaker	7:17-7:30, 8:50-9:04, 10:05-10:18, 11:35-11:49, 12:56-1:04pm 5:40-5:47, 6:05-6:12, 6:26-6:33, 6:57-7:02, 7:43-7:50, 8:26-8:33, 9:07-9:14, 9:42-9:49, 10:27-10:34, 11:01-11:08	
Test Well #2	6/10/2011	3,516,200	56,700	3,513,100	10.78	Mike Moneymaker	6:50-7:04, 8:11-8:25, 10:50-11:04, 1:05-1:20 5:35-5:42, 6:13-6:20, 6:39-6:46, 7:06-7:13, 7:44-7:51, 9:07-9:14, 9:48-9:55, 10:22-10:24	
Test Well #2	6/13/2011	3,531,800	15,600	3,528,700	10.83	Mark O-O	5;32-5:42, 6:02-6:09, 6:26-6:33, 6:49-6:56	
Test Well #2	6/14/2011	3,575,000	43,200	3,571,900	10.96	Mike Moneymaker	6:53-7:06, 9:52-10:06, 5:35-5:42, 5:58-6:03, 6:18-6:25, 6:46-6:53, 7:17-7:24, 8:05-8:12, 8:48-8:55, 9:17-9:24, 10:08-10:17, 11:11-11:18	
Test Well #2	6/15/2011	3,615,700	40,700	3,612,600	11.09	Mike Moneymaker	6:11-6:55, 9:46-10:01, 11:21-11:34, 12:46-12:59	
Test Well #2	6/16/2011	3,683,200	67,500	3,680,100	11.29	Mike Moneymaker	6:35-6:49, 8:12-8:26, 9:30-941, 10:35-10:49, 12:13-12:27, 1:56-2:10 5:35-5:42, 6:15-6:22, 6:55-7:02, 7:51-7:58, 8:32-8:39, 9:10-9:17, 9:51-9:58, 12:48-12:55	
Test Well #2	6/17/2011	3,690,100	6,900	3,687,000	11.31	Mike Moneymaker	8:38-8:52	
Test Well #2	6/20/2011	3,769,000	78,900	3,765,900	11.56	Mike Moneymaker	5:35-5:42, 6:00-6:07, 6:20-6:27, 6:43-6:50, 7:07-7:58, 8:24-8:38, 8:40-8:48, 8:53-9:10, 9:23-9:30, 9:54-10:08, 10:10-10:17, 10:44-11:02, 11:18-11:25,11:32-11:46, 12:35-12:49	
Test Well #2	6/21/2011	3,844,100	75,100	3,841,000	11.79	Mike Moneymaker	5:40-5:47, 6:15-6:22, 6:39-6:46, 6:46-7:30, 7:34-7:48, 7:55-8:02, 8:17-8:30, 8:53-9:00, 9:00-9:13, 9:36-9:43, 9:44-10:00, 10:31-10:44, 11:15-11:24, 1:26-1:36	
Test Well #2	6/22/2011	3,901,100	57,000	3,898,000	11.96	Mike Moneymaker	5:35-5:42, 6:04-6:11, 6:25-6:32, 7:02-7:15, 7:40-7:48, 8:16-8:23, 9:02-9:36, 10:17-10:24, 10:46-10:59, 11:00-11:07, 12:09-12:23, 1:22-1:34	
Test Well #2	6/23/2011	3,955,600	54,500	3,952,500	12.13	Mike Moneymaker	5:32-5:39, 5:50-5:57, 6:12-6:19, 6:39-7:01, 7:39-7:53, 8:26-8:31, 9:38-9:52, 10:07-10:14, 11:02-11:23, 11:59-12:10	
Test Well #2	6/24/2011	4,013,800	58,200	4,010,700	12.31	Mike Moneymaker	5:40-5:47, 6:12-6:19, 6:31-6:38, 6:59-7:13, 7:31-7:45, 8:00-8:07, 8:22-8:36, 8:50-8:57, 9:15-9:28, 9:45-9:52, 10:00-10:07, 10:09-10:18, 10:30-10:37, 10:44-11:01, 11:05-11:12, 11:44-11:59, 12:52-1:06	
Test Well #2	6/27/2011	4,083,400	69,600	4,080,300	12.52	Mike Moneymaker	5:35-5:42, 5:58-6:05, 6:20-6:27, 6:48-7:10, 7:26-7:32, 7:48-8:04, 8:58-9:04, 9:06-9:15, 9:38-9:45, 9:58-10:05, 10:06-10:16, 10:27-10:34, 10:54-11:01, 11:09-11:24, 12:20-12:34	
Test Well #2	6/28/2011	4,156,500	73,100	4,153,400	12.75	Mike Moneymaker	5:40-5:47, 6:11-6:18, 6:33-6:40, 7:04-7:11, 7:26-7:34, 7:54-8:00, 8:11-8:19, 8:49-8:56, 9:01-9:09, 9:40-9:51, 10:07-10:14, 10:32-10:40, 11:09-11:16, 11:35-11:44, 12:35-12:44	
Test Well #2	6/29/2011	4,207,300	50,800	4,204,200	12.90	Mike Moneymaker	5:35-5:42, 6:10-6:17, 6:30-6:37, 6:47-6:56, 7:00-7:10, 7:54-8:00, 8:21-8:29, 8:45-8:52, 9:25-9:42, 10:05-10:12, 10:11-10:19, 11:05-11:12, 12:08-12:16	
Test Well #2	6/30/2011	4,265,600	58,300	4,262,500	13.08	Mike Moneymaker	6:51-6:59, 7:39-7:47, 8:12-8:20, 9:10-9:18, 9:42-9:50, 10:22-10:30, 10:58-11:07, 12:00-12:08, 12:33-12:41	
Test Well #2	7/1/2011	4,293,900	28,300	4,290,800	13.17	Mike Moneymaker	6:50-6:58	

Table 2-1. Daily Water Meter Usage Log

Meter #	Date	Meter Read	Daily Water Use (gal)	Water Use to Date (gal)	Water Use to Date (Acre-Feet)	Kiewit Rep.	Pumpimg Times and Duration	Pump Running Time (minutes)
Test Well #2	7/6/2011	4,304,000	10,100	4,300,900	13.20	Mike Moneymaker	6:51-7:02, 7:37-744, 5:35-5:42, 5:58-6:04, 6:19-6:26, 7:25-7:32, 8:07-8:14, 10:48-10:55, 11:50-11:57, 12:24-12:31	
Test Well #2	7/7/2011	4,329,500	25,500	4,326,400	13.28	Mike Moneymaker	None, 7:51-8:11, 10:18-10:25, 12:10-12:17, 1:36-1:42	
Test Well #2	7/8/2011	4,368,600	39,100	4,365,500	13.40	Mike Moneymaker	12:08-12:15, 1:06-1:14, 5:40-5:47, 6:07-6:14, 7:06-7:13, 8:29-8:36, 9:38-9:45, 12:22-12:29, 1:17-1:24	
Test Well #2	7/11/2011	4,457,100	88,500	4,454,000	13.67	Mike Moneymaker	6:30-7:17, 7:22-7:31, 8:02-8:10, 8:31-8:38, 9:03-9:11, 9:35-9:43, 10:41-10:49, 11:13-11:21, 11:43-11:51, 12:13-12:20, 12:47-12:51, 7:27-7:36, 8:10-8:17, 9:26-9:33, 9:57-10:04, 10:57-11:04, 11:21-11:28, 11:49-11:56, 12:32-12:39	
Test Well #2	7/12/2011	4,510,100	53,000	4,507,000	13.83	Mike Moneymaker	6:02-6:11, 6:40-6:48, 5:10-5:17, 5:28-5:43, 6:36-6:50, 7:19-7:26, 8:00-8:07, 8:33-8:40, 9:39-9:46, 10:08-10:15, 11:05-11:12, 11:42-11:49, 12:12-12:19, 12:45-12:51	
Test Well #2	7/13/2011	4,586,700	129,600	4,583,600	14.07	Mike Moneymaker	6:29-6:37, 7:04-7:11, 7:37-7:45, 8:17-8:25, 8:53-9:01, 9:30-9:38, 11:10-11:18, 11:51-11:59, 12:29-12:39, 5:00-5:07, 5:31-5:38, 5:59-6:15, 6:45-6:52, 7:16-7:27, 7:58-8:06, 8:37-8:42, 9:15-9:22, 9;38-9:45, 10:53-11:00, 11:30-11:37, 12:18-12:25	
Test Well #2	7/14/2011	4,665,300	78,600	4,662,200	14.31	Mike Moneymaker	5:58-6:06, 6:39-6:46, 7:13-7:20, 7:49-7:57, 8:30-8:38, 9:10-9:18, 9:46-9:54, 10:48-10:56, 11:20-11:28, 11:51-11:58, 12:19-12:27, 5:05-5:12, 5:20-5:27, 5:33-5:40, 6:02-6:09, 6:52-6:59, 7:10-7;25, 8:11-8:18, 9:22-9:29, 10:06-10:13, 10:57-11:04, 11:27-11:34, 11:54-12:02, 12:45-12:52	
Test Well #2	7/15/2011	4,730,500	65,200	4,727,400	14.51	Mike Moneymaker	5:53-6:01, 6:23-6:31, 6:57-7:05, 7:28-7:36, 8:01-8:09, 8:41-8:49, 9:10-9:18, 5:01-5:08, 5:21-5:28, 5:52-6:00, 6:38-6:45, 7:18-7:25, 7:40-7:47, 8:22-8:29, 9:07-9:21, 9:51-9:58, 11:05-11:12, 11:48-11:55, 12:13-12:20	
Test Well #2	7/18/2011	4,807,800	77,300	4,804,700	14.75	Mike Moneymaker	6:02-6:10,6:35-6:43,7:10-7:18,7:40-7:48,8:17-8:25,8:46-8:54,9:07-9:15,9:38-9:46,10:48-10:56,11:23-11:31,11:51-11:59, 5:00-5:07,5:27-5:34, 6:43-6:50,7:20-7:27, 8:05-8:12, 8:45-8:52, 9:35-9:49, 10:50-10:57,11:20-11:27,12:05-12:22,12:50-12:57	8,8,8,8,8,8,8,8,8,8,8,8 7,7,7,7,7,7,14,7,7,7,7 Total=172
Test Well #2	7/19/2011	4,862,400	54,600	4,859,300	14.91	Mike Moneymaker	5:47-6:00,6:24-6:32,7:08-7:24,8:07-8:15,8:42-8:50,9:13-9:20,9:45-9:55,10:56-11:04'11:31-11:39,12:05-12:13 5:08-5:22,5:48-5:59,6:20-6:27,7:57-8:04,8:57-9:04,10:40-10:47	13,8,16,8,8,7,10,8,8, 8, 14,11,7,7,7,7 Total=147
Test Well #2	7/20/2011	4,887,600	25,200	4,884,500	14.99	Mike Moneymaker	8:56-9::04,9:30-9:38, 10:03-10:10,11:10-11:18,11:41-11:49,12:15-12:23 5:00-5:07,5:11-5:18,5:27-5:34	8,8,8,8,8,8, 7,7,7 Total-61
Test Well #2	7/21/2011	4,919,900	32,300	4,916,800	15.09	Mike Moneymaker	M-None 5:00-5:07, 5:27-5:35, 6:12-6:19,7:00-7:07,7:23-7:30,8:15-8:22,9:19-9:26,9:37-10:04,10:59-11:06,11:46-11:53	7,7,7,7,7,7,7,7,7,7 Total=70
Test Well #2	7/22/2011	4,961,400	41,500	4,958,300	15.22	Mike Moneymaker	M-None 5:00-5:07,5:20-5:27,5:42-5:49,6:20-6:27,6:56-7:03,7:45-7:52,8:18-8:25,9:04-9:11,9:44-9:51,11:01-11:08,11:47-11:54,12:15-12:22,12:40-12:47	7,7,7,7,7,7,7,7,7,7,7, 7,7 Total=91
Test Well #2	7/25/2011	4,985,600	24,200	4,982,500	15.29	Mike Moneymaker	5:00-5:07,5:40-5:47,7:28-7:36,8:38-8:45,9:53-10:00,11:47-11:54,12:59-1:06	M-None 7,7,8,7,7,7,7 Total=50
Test Well #2	7/26/2011	5,027,200	41,600	5,024,100	15.42	Mike Moneymaker	5:00-5:07,5:27-5:34,6:00-6:07,6:40-6:47,8:08-8:15,8:50-8:57,9:15-9:22,10:56-11:03,11:29-11:36,11:58-12:05,12:33-12:40	7,7,7,7,7,7,7,7,7,7,7 Total-77
Test Well #2	7/27/2011	5,071,200	44,000	5,068,100	15.55	Mike Moneymaker	5:40-5:47,6:07-6:14,6:53-7:00,7:35-7:42,8:14-8:21,9:04-9:11,9:34-9:41,9:55-10:02,10:56-11:04,11:32-11:39,12:03-12:10,12:53-12:40	7,7,7,7,7,7,7,7,8,7,7, 7 Total=85
Test Well #2	7/28/2011	5,112,300	41,100	5,109,200	15.68	Mike Moneymaker	5:00-5:07,5:28-5:35,5:51-5:58,6:15-6:22,6:40-6:47,7:15-7:22,8:44-8:51,9:19-9:26,9:56-10:02,11:05-11:12,11:32-11:39,12:02-12:09	7,7,7,7,7,7,7,7,8,7,7, 7 Total=85
Test Well #2	7/29/2011	5,150,500	38,200	5,147,400	15.80	Mike Moneymaker	5:00-5:07,5:20-5:27,5:53-6:00,6:10-6:17,6:53-7:00,7:29-7:37,8:08-8:15,8:32-8:39,9:11-9:18,9:59-10:06,11:02-11:09,11:36-11:43	7,7,7,7,7,8,7,7,7,7,7, 7 Total=85

SOIL&WATER-4: The proposed project's use of groundwater during construction shall not exceed 4,100 af during the 69 months of construction and an annual average of 600 afy during operation.

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 10
CBO Approvals

Kiewit

Transmittal Form

Transmittal Number: CBO-0251 **Date:** 7/15/2011

Project: Blythe Solar Power Project

Subject: STRUC-1-18.0 Rev 0 FLAGSOL SCE MIDDLE PYLON PACKAGE

Transmitted via e-mail to the selected companies:

- [x] CBO WC-3
- [ ] CEC
- [ ] KPC
- [ ] KPE
- [ ] SM LLC
- [ ] STA-C

Comments:

Please find attached our response to CBO Comments to the Flagsol SCE Middle Pylon Package and attachments review and approval.

BL1-LET-FLG-CBO-0021_Response Letter.pdf ISSUED FOR REVIEW	BL1-LET-FLG-CBO-0021_Response Letter.pdf	N/A	7/14/2011
BL1-W__-3G-SS-FLG11548.pdf ISSUED FOR REVIEW	SDD Middle Pylons and Pipe End Support	1	7/14/2011
STRUC-01-018 Bearing Pin Design Attachment 2.pdf ISSUED FOR REVIEW	STRUC-01-018 Bearing Pin Design Attachment 2.pdf	N/A	7/14/2011

Approved By: for

Steve Lorenz
Project Manager
Kiewit Power Engineers

Kiewit

Transmittal Form

Transmittal Number: **CBO-0252** **Date:** 7/14/2011

Project: Blythe Solar Power Project

Subject: STRUC-1-17.0 Rev 1 FLAGSOL SCE TORQUE TUBE PKG

Transmitted via e-mail to the selected companies:

- [x] CBO WC-3
- [ ] CEC
- [ ] KPC
- [ ] KPE
- [ ] SM LLC
- [ ] STA-C

Comments:

Please find attached our response to CBO Comments to Flagsol's SCE Torque Tube Package as well as updated design drawings/documents for CBO Review.

Kiewit

Transmittal Form

BL1_MSS_HCE_ASD_200 HCE-Post Regular Assembly DWG Post Assembly ISSUED FOR REVIEW	5	7/25/2011
BL1_MSS_TTU_ARR_001 TORQUE TUBE ARRANGEMENT DWG ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_DTD_940 HCE-Post End Detail Drawing Connecting Parts ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_ASD_320 HCE Post End Assembly Drawing U-Assembly ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_ASD_260 HCE-Post Regular Assembly Drawing HCE Weld Stud Bracket ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_DTD_320 HCE Post End - Detail Drawing U-Assembly ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_ARR_002 HCE-Post Regular Arrangement DWG ISSUED FOR REVIEW	5	7/25/2011
BL1_MSS_HCE_ARR_003 HCE Post End Arrangement Drawing ISSUED FOR REVIEW	5	7/25/2011
BL1_MSS_TTU_ASD_120 TORQUE TUBE - REAR END ASSEMBLY DWG ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_TTU_DTD_102 TORQUE TUBE - FRONT END DETAIL DWG ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_DTD_260 HCE-Post Regular Detail Drawing HCE Weld Stud Bracket ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_DTD_920 HCE-Post Regular Detail Drawing Connecting Parts ISSUED FOR REVIEW	5	7/25/2011
BL1_MSS_HCE_ASD_300 HCE Post End Assembly Drawing Connection Box ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_TTU_DTD_120 TORQUE TUBE - REAR END DETAIL DWG ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_TTU_DTD_100 TORQUE TUBE - FRONT END DETAIL DWG ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_TTU_OVD_001 TORQUE TUBE OVERVIEW DWG ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_ASD_220 HCE-Post Regular Assembly DWG Frame ISSUED FOR REVIEW	5	7/25/2011
BL1_MSS_HCE_ASD_240 HCE-Post Regular Lower Hinge Assembly Drawing ISSUED FOR REVIEW	5	7/25/2011
BL1_MSS_TTU_DTD_101 TORQUE TUBE - FLANGES DETAIL DWG ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_TTU_DTD_900 TORQUE TUBE - CONNECTION PARTS DETAIL DWG ISSUED FOR REVIEW	4	7/25/2011
BL1_MSS_HCE_DTD_240 HCE-Post Regular Detail Drawing Lower Hinge ISSUED FOR REVIEW	5	7/25/2011
BL1_MSS_HCE_OVD_003 HCE Post End Overview Drawing ISSUED FOR REVIEW	5	7/25/2011
BL1_MSS_HCE_OVD_002 HCE-Post Regular Overview DWG ISSUED FOR REVIEW	5	7/25/2011

Amber.Phillips

From: Russ.McLandsborough
Sent: Tuesday, July 12, 2011 12:12 PM
To: Amber.Phillips
Subject: FW: Blythe solar

Amber,

Who do I need to ask to get John Wofford and Bishwajit Pradhan added to the project team?

Thanks,
Russ

From: Leon.Gertsch
Sent: Wednesday, July 06, 2011 4:30 PM
To: Russ.McLandsborough
Cc: John.Wofford; Bishwajit.Pradhan
Subject: Blythe solar

Russ,
Can you get John Wofford and Bishwajit Pradhan set up to get drawing review notifications from PowerSource? Also, they need general access to Powersoruce for drawing searches, etc.

Thanks.

Leon Gertsch, PE
Technical Manager, District Start Up
Kiewit Power
9401 Renner Blvd
Lenexa, KS 66219

Kiewit

Transmittal Form

BL1_MSS_HCE_DTD_300 HCE Post End - HCE Connection Box Detail Drawing ISSUED FOR REVIEW		4	7/25/2011
BL1_MSS_HCE_DTD_220 HCE-Post Regular Detail DWG HCE Post Frame ISSUED FOR REVIEW		5	7/25/2011
BL1-LET-FLG-CBO-0020_Response Letter.pdf	BL1-LET-FLG-CBO-0020_Response Letter.pdf ISSUED FOR REVIEW	N/A	7/15/2011
BL1_MSS_TTU_ASD_100 TORQUE TUBE - FRONT END ISSUED FOR REVIEW		4	7/25/2011

Approved By: _____ for

Steve Lorenz
Project Manager
Kiewit Power Engineers

Kiewit

Transmittal Form

Transmittal Number: **CBO-0253** **Date:** 7/14/2011

Project: Blythe Solar Power Project

Subject: STRUC-1-16.0 Rev 4 FLAGSOL CANTILEVER ARM DESIGN

Transmitted via e-mail to the selected companies:

- [x] CBO WC-3
- [ ] CEC
- [ ] KPC
- [ ] KPE
- [ ] SM LLC
- [ ] STA-C

Comments:

Please find attached signed stamped Flagsol/STAC Cantilver Arm Design documents for CBO Review and Approval.

Kiewit

Transmittal Form

BL1_MSS_CAR_OVD_001	CANTILEVER ARM REGULAR OVERVIEW DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAS_DTD_100	CANTILEVER ARM STRONG ASSEMBLY DETAIL DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAS_ASD_120	CANTILEVER ARM STRONG- FRAME	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAS_OVD_001	CANTILEVER ARM STRONG OVERVIEW DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAR_ASD_120	CANTILEVER ARM REGULAR- FRAME	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAR_ASD_100	CANTILEVER ARM REGULAR ASSEMBLY	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAF_ASD_120	CANTILEVER ARM REINFORCED - FRAME	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_COW_ASD_30 1	COW CONCRETE COUNTERWEIGHT REGULAR ASSEMBLY DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_COW_ASD_10 0	SCE COUNTERWEIGHT - SUPPORT ARM ASSEMBLY DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1-W__-3C-SS-SBP11546	(SDD) - SCE Pkg 1: Cantilever Arm & Counter Weight	2	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_COW_DTD_10 1	SCE COUNTERWEIGHT - SUPPORT ARM DETAIL DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_COW_DTD_10 0	SCE COUNTERWEIGHT - SUPPORT ARM DETAIL DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAF_DTD_120	CANTILEVER ARM REINFORCED - FRAME - DETAIL DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAF_OVD_001	CANTILEVER ARM REINFORCED OVERVIEW DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAF_ASD_100	CANTILEVER ARM REINFORCED ASSEMBLY	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAS_DTD_120	CANTILEVER ARM STRONG - FRAME - DETAIL DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_CAR_DTD_100	CANTILEVER ARM REGULAR ASSEMBLY DETAIL DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_COW_ARR_00 1	SCE COUNTERWEIGHT ARRANGEMENT DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_COW_OVD_00 1	SCE COUNTERWEIGHT OVERVIEW DWG	6	7/25/2011
	ISSUED FOR APPROVAL		
BL1_MSS_COW_ASD_30 0	COW CONCRETE COUNTERWEIGHT STRONG ASSEMBLY DWG	6	7/25/2011
	ISSUED FOR APPROVAL		

Kiewit

Transmittal Form

BL1_MSS_CAR_DTD_120 CANTILEVER ARM REGULAR - FRAME - DETAIL DWG ISSUED FOR APPROVAL		6	7/25/2011
BL1_MSS_CAS_ASD_100 CANTILEVER ARM STRONG ASSEMBLY ISSUED FOR APPROVAL		6	7/25/2011
BL1_MSS_CAF_DTD_100 CANTILEVER ARM REINFORCED ASSEMBLY DETAIL DWG ISSUED FOR APPROVAL		6	7/25/2011
BL1-W__-3C-SZ-FLG11458 ISSUED FOR APPROVAL	Detail Drawing: Pods	4	7/25/2011

Approved By: A Phillips for

Steve Lorenz
Project Manager
Kiewit Power Engineers

Kiewit

Transmittal Form

Transmittal Number: **CBO-0254** **Date:** 7/15/2011

Project: Blythe Solar Power Project

Subject: CIVIL-1-17.0 Rev 0 FINISH GRADING

Transmitted via e-mail to the selected companies:

- [x] CBO WC-3
- [ ] CEC
- [ ] KPC
- [ ] KPE
- [ ] SM LLC
- [ ] STA-C

Comments:

CIVIL-01-017: Please find attached letter number KPE-CBO-0088, our response to CBO Comments to Rev. A of the Finish Grading package received via letter BSPP-CIVIL-017_PC1.

Please also find additional revision A drawings not included in the first package, and revision B drawings that have been updated to include our responses to comments received from the CBO.

PLEASE NOTE: Drawing 2008-045-CD-010 was originally submitted with the CIVIL-01-017 package and is not included in this package. CD-010 is no longer in the same scope as the CIVIL-01-017 permit, has not been voided and will be submitted at a future date as part of another permit.

In addition, please find attached Rev. B of the related hydrology and hydraulics calculations. These calculations were originally included in CIVIL-01-018. Revision B is inlcuded here the CBO's request.

Thank you and please let Amber Phillips know if you have any quesitons regarding this submittal.

Kiewit

Transmittal Form

CBO Group:	CBO Group Description:	CBO Group Rev:
CIVIL-1-17.0	FINISH GRADING	0

Number	Title	Rev	Issue Date
Rev Description			
CD-300B	EROSION CONTROL DETAILS	B	7/15/2011
ISSUED FOR REVIEW			
CD-301	DROP STRUCTURE DETAILS	A	7/15/2011
ISSUED FOR REVIEW			
CD-302	DROP STRUCTURE DETAILS	A	7/15/2011
ISSUED FOR REVIEW			
CD-303	DRAINAGE DIFFUSER DETAIL AND CROSS SECTION	A	7/15/2011
ISSUED FOR REVIEW			
CD-304	CHANNEL CONFLUENCE DETAILS	A	7/15/2011
ISSUED FOR REVIEW			
CD-320	TYPICAL ROAD SECTIONS UNIT 1	A	7/15/2011
ISSUED FOR REVIEW			
CD-510B	STORM WATER DETAILS UNIT 1	A	7/15/2011
ISSUED FOR REVIEW			
CD-511B	STORM WATER DETAILS UNIT 1	A	7/15/2011
ISSUED FOR REVIEW			
CD-512B	STORM WATER DETAILS	A	7/15/2011
ISSUED FOR REVIEW			
CD-513B	STORM WATER DETAILS	A	7/15/2011
ISSUED FOR REVIEW			
CD-514B	STORM WATER DETAILS	A	7/15/2011
ISSUED FOR REVIEW			
CD-515B	STORM WATER DETAILS	A	7/15/2011
ISSUED FOR REVIEW			
CG-300B	GRADING KEY PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-307	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-308	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-309	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-310	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-311	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-312	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-319	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-320	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-321	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CG-322	GRADING PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			

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Transmittal Form

CG-323	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-324	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-331	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-332	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-333	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-334	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-335	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-336	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-343B	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-344B	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-345	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-346	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-347	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-348	GRADING PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CG-711	GRADING PLAN POWER BLOCK	B	7/15/2011
	ISSUED FOR REVIEW		
CG-712	GRADING PLAN POWER BLOCK	B	7/15/2011
	ISSUED FOR REVIEW		
CG-713	GRADING PLAN POWER BLOCK	B	7/15/2011
	ISSUED FOR REVIEW		
CM-260	UNIT 1 POST DEVELOPMENT DRAINAGE MAP	A	7/15/2011
	ISSUED FOR REVIEW		
CM-261	POWER BLOCK POST DEVELOPMENT DRAINAGE MAP	A	7/15/2011
	ISSUED FOR REVIEW		
CM-300B	EROSION AND SEDIMENT CONTROL KEY PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-307	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-308	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-309	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-310	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-311	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		

Transmittal Form

CM-312	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-319	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-320	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-321	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-322	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-323	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-324	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-331	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-332	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-333	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-334	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-335	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-336	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-343B	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-344B	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-345	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-346	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-347	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-348	EROSION AND SEDIMENT CONTROL PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CM-515	SURFACING PLAN	A	7/15/2011
	ISSUED FOR REVIEW		
CM-711	EROSION AND SEDIMENT CONTROL PLAN POWER BLOCK	B	7/15/2011
	ISSUED FOR REVIEW		
CM-712	EROSION AND SEDIMENT CONTROL PLAN POWER BLOCK	B	7/15/2011
	ISSUED FOR REVIEW		
CM-713	EROSION AND SEDIMENT CONTROL PLAN POWER BLOCK	B	7/15/2011
	ISSUED FOR REVIEW		
CN-300B	COVER SHEET	B	7/15/2011
	ISSUED FOR REVIEW		
CN-301B	NOTES, ABBREVIATIONS, AND LEGENDS	B	7/15/2011
	ISSUED FOR REVIEW		

Transmittal Form

CP-300	PIPE 1020 PLAN AND PROFILE	A	7/15/2011
	ISSUED FOR REVIEW		
CP-301	PIPE 1078 PLAN AND PROFILE	A	7/15/2011
	ISSUED FOR REVIEW		
CP-302	PIPE 1116 PLAN AND PROFILE	A	7/15/2011
	ISSUED FOR REVIEW		
CP-303	PIPE 1135 PLAN AND PROFILE	A	7/15/2011
	ISSUED FOR REVIEW		
CP-304	PIPE 1156 PLAN AND PROFILE	A	7/15/2011
	ISSUED FOR REVIEW		
CR-300B	STORMWATER KEY PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-319	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-320	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-321	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-322	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-323	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-331	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-332	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-333	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-334	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-335	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-343B	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-344B	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-345	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-346	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-347	STORMWATER PLAN UNIT 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-711	STORMWATER PLAN POWER BLOCK 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-712	STORMWATER PLAN POWER BLOCK 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-713	STORMWATER PLAN POWER BLOCK 1	B	7/15/2011
	ISSUED FOR REVIEW		
CR-900	STORMWATER PIPE SCHEDULE	A	7/15/2011
	ISSUED FOR REVIEW		

Kiewit

Transmittal Form

CR-901	STORMWATER PIPE SCHEDULE	A	7/15/2011
ISSUED FOR REVIEW			
CR-902	STORMWATER PIPE SCHEDULE	A	7/15/2011
ISSUED FOR REVIEW			
CR-903	STORMWATER PIPE SCHEDULE	A	7/15/2011
ISSUED FOR REVIEW			
CR-904	STORMWATER PIPE SCHEDULE	A	7/15/2011
ISSUED FOR REVIEW			
CS-300B	SITE KEY PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CS-304	SITE PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CS-305	SITE PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CS-306	SITE PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CS-310	SITE PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CS-311	SITE PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CS-312	SITE PLAN UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CS-711	SITE PLAN POWER BLOCK	B	7/15/2011
ISSUED FOR REVIEW			
CS-712	SITE PLAN POWER BLOCK	B	7/15/2011
ISSUED FOR REVIEW			
CS-713	SITE PLAN POWER BLOCK	B	7/15/2011
ISSUED FOR REVIEW			
CX-050	CROSS SECTIONS UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CX-051	CROSS SECTIONS UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CX-052	CROSS SECTIONS UNIT 1	B	7/15/2011
ISSUED FOR REVIEW			
CX-053	CROSS SECTIONS UNIT 1	B	7/15/2011
ISSUED TO VOID			
CX-054	TYPICAL CHANNEL SECTIONS	B	7/15/2011
ISSUED FOR REVIEW			
905-1	2008-045-905-1-Unit 1 Hydrology Rev B.pdf	B	7/15/2011
ISSUED FOR REVIEW			
905-2	2008-045-905-1-Unit 1 Hydrology Rev B.pdf	B	7/15/2011
ISSUED FOR REVIEW			
905-2A	2008-045-905-2A Unit 1 Rip-Rap Sizing Rev A.pdf	B	7/15/2011
ISSUED FOR REVIEW			
905-3	2008-045-905-3 Power Block Hydrology Rev B.pdf	B	7/15/2011
ISSUED FOR REVIEW			
905A-1	2008-045-905A-1-Unit 1 Power Block Storm Sewers Rev B.pdf	B	7/15/2011
ISSUED FOR REVIEW			
KPE-CBO-0088	Response to CBO Comments CIVIL-01-017_PC1	N/A	7/15/2011
ISSUED FOR REVIEW			

Kiewit

Transmittal Form

Approved By: _____ for

Steve Lorenz
Project Manager
Kiewit Power Engineers

Kiewit

Transmittal Form

Transmittal Number: **CBO-0255** **Date:** 7/18/2011

Project: Blythe Solar Power Project

Subject: CIVIL-1-21.0 Rev 1 PHASE 1B CLEARING/GRUBBING AND TORTOISE FENCING

Transmitted via e-mail to the selected companies:

- [x] CBO WC-3
- [ ] CEC
- [ ] KPC
- [ ] KPE
- [ ] SM LLC
- [ ] STA-C

Comments:

- - PLEASE EXPEDITE: SIGNED STAMPED DRAWINGS NEEDED FOR PROJECT SITE SURVEY WORK WEDENSDAY 7/20/2011. - -

Please find attached Phase 1B Clearing/Grubbing and Tortoise Fencing Package Rev. 0 Issued for Construction. These signed, stamped drawings have been updated based on conditionally approved comments reviewed by phone with Jim Diggins.

Please also find attached the KPE response to CBO Comments letter KPE-CBO-0089 for your records. These are the responses reviewed by phone.

Kiewit

Transmittal Form

CBO Group:	CBO Group Description:	CBO Group Rev:		
CIVIL-1-21.0	PHASE 1B CLEARING/GRUBBING AND TORT	1		
Number	**Title**		**Rev**	**Issue Date**
Rev Description				
CM-150B	PHASE 1B CLEARING/GRUBBING AND TORTOISE FENCING KEY PLAN		0	7/18/2011
ISSUED FOR CONSTRUCTION				
CM-151	PHASE 1B CLEARING/GRUBBING AND TORTOISE FENCING PLAN		0	7/18/2011
ISSUED FOR CONSTRUCTION				
CM-152B	PHASE 1B CLEARING/GRUBBING AND TORTOISE FENCING PLAN		0	7/18/2011
ISSUED FOR CONSTRUCTION				
CM-153B	PHASE 1B CLEARING/GRUBBING AND TORTOISE FENCING PLAN		0	7/18/2011
ISSUED FOR CONSTRUCTION				
CM-155B	PHASE 1B CLEARING/GRUBBING AND TORTOISE FENCING PLAN		0	7/18/2011
ISSUED FOR CONSTRUCTION				
CM-156B	PHASE 1B CLEARING/GRUBBING AND TORTOISE FENCING PLAN		0	7/18/2011
ISSUED FOR CONSTRUCTION				
CM-157B	PHASE 1B CLEARING/GRUBBING AND TORTOISE FENCING PLAN		0	7/18/2011
ISSUED FOR CONSTRUCTION				
KPE-CBO-0089	CIVIL-01-021_PC1 Response Letter		N/A	7/18/2011
ISSUED FOR APPROVAL				

Approved By: A Phillips for

Steve Lorenz
Project Manager
Kiewit Power Engineers

Kiewit

Transmittal Form

Transmittal Number: **CBO-0256** **Date:** 7/25/2011

Project: Blythe Solar Power Project

Subject: STRUC-1-19.0 Rev 0 FLAGSOL SCE DRIVE PYLON PACKAGE

Transmitted via e-mail to the selected companies:

- [x] CBO WC-3
- [ ] CEC
- [ ] KPC
- [ ] KPE
- [ ] SM LLC
- [ ] STA-C

Comments:

Please find attached Flagsol/STAC's SCE Drive Pylon Package for CBO Review.

Transmittal Form

BL1-W__-3G-SS-FLG11549	(SDD) - Pylon Pkg 2: Solar Collector Metal Suppt Stru	0	7/25/2011
ISSUED FOR REVIEW			
BL1-W__-3G-SZ-SBP12109	Drive Pylon Strong - Arrangement Drawing 2	0	7/25/2011
ISSUED FOR REVIEW			
BL1-W__-__-ZD-FLG12101	Drive Pylon - Bearing Flange	0	7/25/2011
ISSUED FOR REVIEW			
BL1-W__-__-ZD-FLG12099	Arrangement Drawing for Supporting Roller - Drive Pylon	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_HCE_DTD_900	HCE Post Fix - Detail Drawing Fixed End Tube	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_HCE_ASD_140	HCE Post Fix - Assembly Drawing Fixed ENDS	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_HCE_ASD_120	HCE Post Fix - Assembly Drawing Head	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_HCE_ASD_100	HCE Post Fix Drawing - Assembly Drawing Beam	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_HCE_OVD_001	HCE Post Fix - Overview Drawing	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_ARR_001	Drive Pylon Regular - Arrangement Drawing	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_DTD_100	Drive Pylon Regular - Detail Drawing Pylon Beam	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_DTD_120	Drive Pylon Regular - Detail Drawing Pylon Beam Single	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_ASD_200	Drive Pylon Regular - Assembly Drawing Arch Beam	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_DTD_140	Drive Pylon Regular - Detail Drawing Hydraulic Girder	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_DTD_160	Drive Pylon Regular - Detail Drawing cross built	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDS_OVD_001	Drive Pylon Strong - Overview Drawing	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDS_ASD_100	Drive Pylon Strong - Assembly Drawing Pylon Beam	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDS_ASD_120	Drive Pylon Strong - Assembly Drawing Pylon Beam Single	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDS_ASD_200	Drive Pylon Strong - Assembly Drawing Arch Beam	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_DTD_180	Drive Pylon Regular - Detail Drawing Pylon Head	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_ASD_300	Drive Pylon Regular - Assembly Drawing Torque Tube	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_DTD_320	Drive Pylon Regular - Arrangement Drawing	0	7/25/2011
ISSUED FOR REVIEW			

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Transmittal Form

BL1_MSS_PDS_ASD_320 Drive Pylon Strong - Assembly Drawing TT Assembly ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_140 Drive Pylon Strong - Detail Drawing Hydraulic Girder ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_160 Drive Pylon Strong - Detail Drawing cross built ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_180 Drive Pylon Strong - Detail Drawing Pylon Head ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_320 Drive Pylon Strong - Detail Drawing Torque Tube ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_900 Drive Pylon Strong - Detail Drawing Connection Parts ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_ASD_300 Drive Pylon Strong - Assembly Drawing Torque Tube ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_ASD_180 Drive Pylon Strong - Assembly Drawing Pylon Head ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_ASD_160 Drive Pylon Strong - Assembly Drawing cross built ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDR_DTD_901 Drive Pylon Regular - Detail Drawing Hydraulic Spacers ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDR_ASD_320 Drive Pylon Regular - Assembly Drawing TT Assembly ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDR_DTD_900 Drive Pylon Regular - Detail Drawing Connection Parts ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_ASD_140 Drive Pylon Strong - Assembly Drawing Hydraulic Girder ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_200 Drive Pylon Strong - Detail Drawing Arch Beam ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_120 Drive Pylon Strong - Detail Drawing Pylon Beam Single ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_100 Drive Pylon Strong - Detail Drawing Pylon Beam ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_ARR_001 Drive Pylon Strong - Arrangement ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDR_ASD_180 Drive Pylon Regular - Assembly Drawing Pylon Head ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDR_ASD_160 Drive Pylon Regular - Assembly Drawing cross built ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDR_ASD_140 Drive Pylon Regular - Assembly Drawing Hydraulic Girder ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDR_ASD_120 Drive Pylon Regular - Assembly Drawing Pylon Beam Single ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDR_OVD_001 Drive Pylon Regular - Overview Drawing ISSUED FOR REVIEW	0	7/25/2011
BL1_MSS_PDS_DTD_901 Drive Pylon Strong - Detail Hydraulic Spacers ISSUED FOR REVIEW	0	7/25/2011

Kiewit

Transmittal Form

BL1_MSS_HCE_DTD_140	HCE Post Fix - Detail Drawings Fixed ENDS	0	7/25/2011
ISSUED FOR REVIEW			
BL1-W__-__-ZD-FLG12100	Detail Drawing for Supporting Roller - Drive Pylon	0	7/25/2011
ISSUED FOR REVIEW			
BL1-W__-3G-SZ-SBP12130	Axial Bearing	0	7/25/2011
ISSUED FOR REVIEW			
BL1-W__-__-ZD-FLG12127	Axial Friction Bearing - Drive Pylon	0	7/25/2011
ISSUED FOR REVIEW			
BL1-W__-3G-SZ-SBP12108	Drive Pylon Regular - Arrangement Drawing 2	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_HCE_DTD_120	HCE Post Fix - Detail Drawing Head	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_HCE_ARR_001	HCE Post Fix - Arrangement Drawing	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_ASD_100	Drive Pylon Regular - Assembly Drawing Pylon Beam	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_PDR_DTD_200	Drive Pylon Regular - Detail Drawing Arch Beam	0	7/25/2011
ISSUED FOR REVIEW			
BL1_MSS_HCE_DTD_100	HCE Post Fix - Detail Drawing Beam	0	7/25/2011
ISSUED FOR REVIEW			

Approved By: _____

Steve Lorenz
Project Manager
Kiewit Power Engineers

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 11
UXO/MEC Encounter Report
(Filed Confidentially)

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 12
Site Construction Safety Supervisor's Safety Report

Monthly Safety Inspection Report for July 2011

Blythe Solar Power Project

Safety Inspections

See the attached Safety Tour Reports.

Safety Incidents and Corrective Actions

See attached safety tours repots.

Unresolved Safety Problems

There are no unresolved safety issues.

First Aid, Reportable, & Recordable Injuries

There were no first aids, reportable, recordable, or near misses during the month of July.

Kiewit

Blythe Solar Power Plant

Date: 7/1/11

By: Erick Espinosa

Safety/Quality Tour Notes

SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Assured Grounding	All cords were inspected & tested for continuity.	Good Job.

QUALITY

OPERATION	OBSERVATION	SUPT/FOREMAN	CORRECTED?
JHA'S REVIEWED			


• CRAFT RECOGNITION
• BIOLOGIST NOTIFIED
• CREW MOVED TO NEW LOCATION

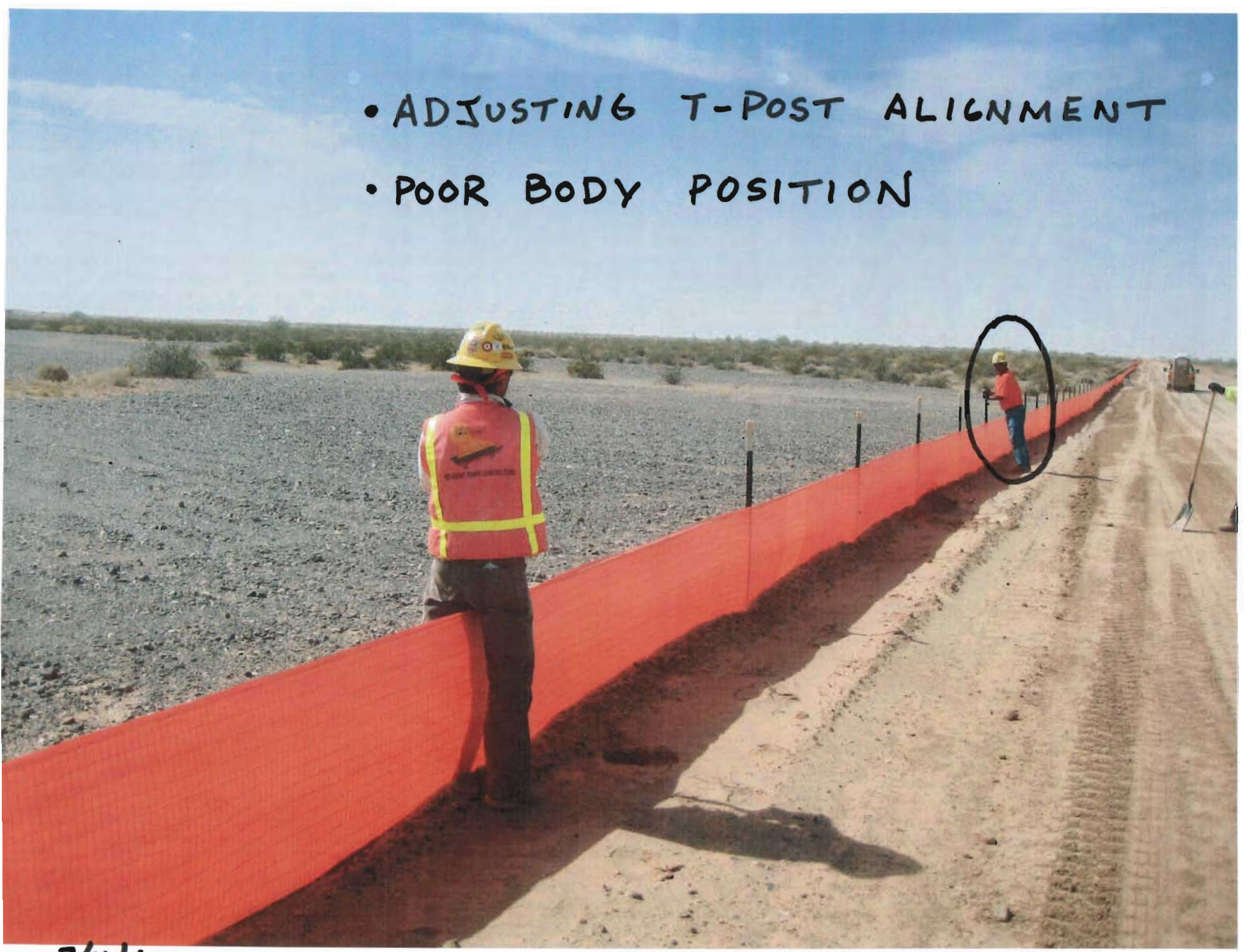
7-6-11


• HOUSEKEEPING
• TOOL STORAGE
• REVIEWED PROPER STORAGE PROCEDURES

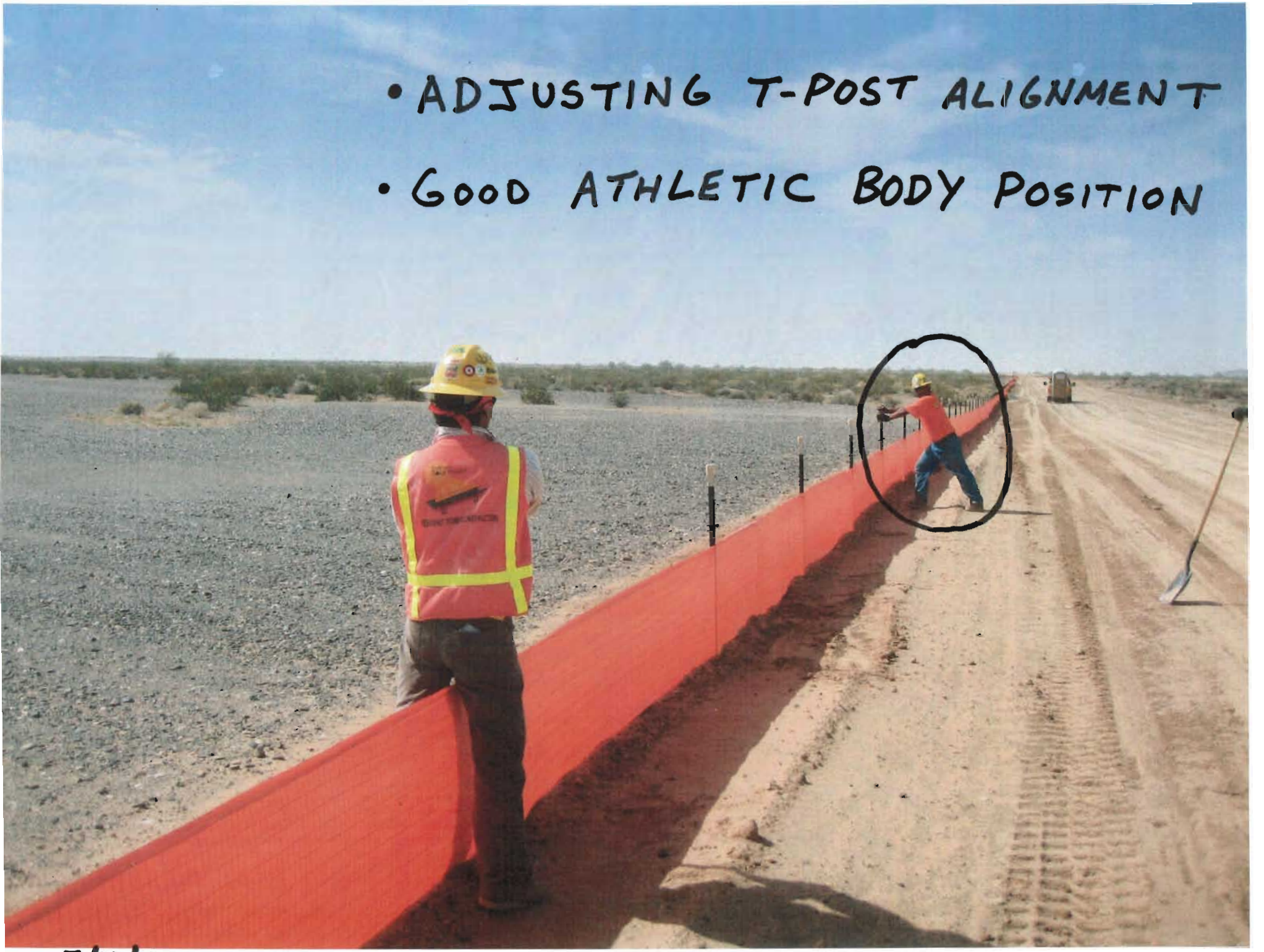
7/7/11

7/8/11

7/8/11



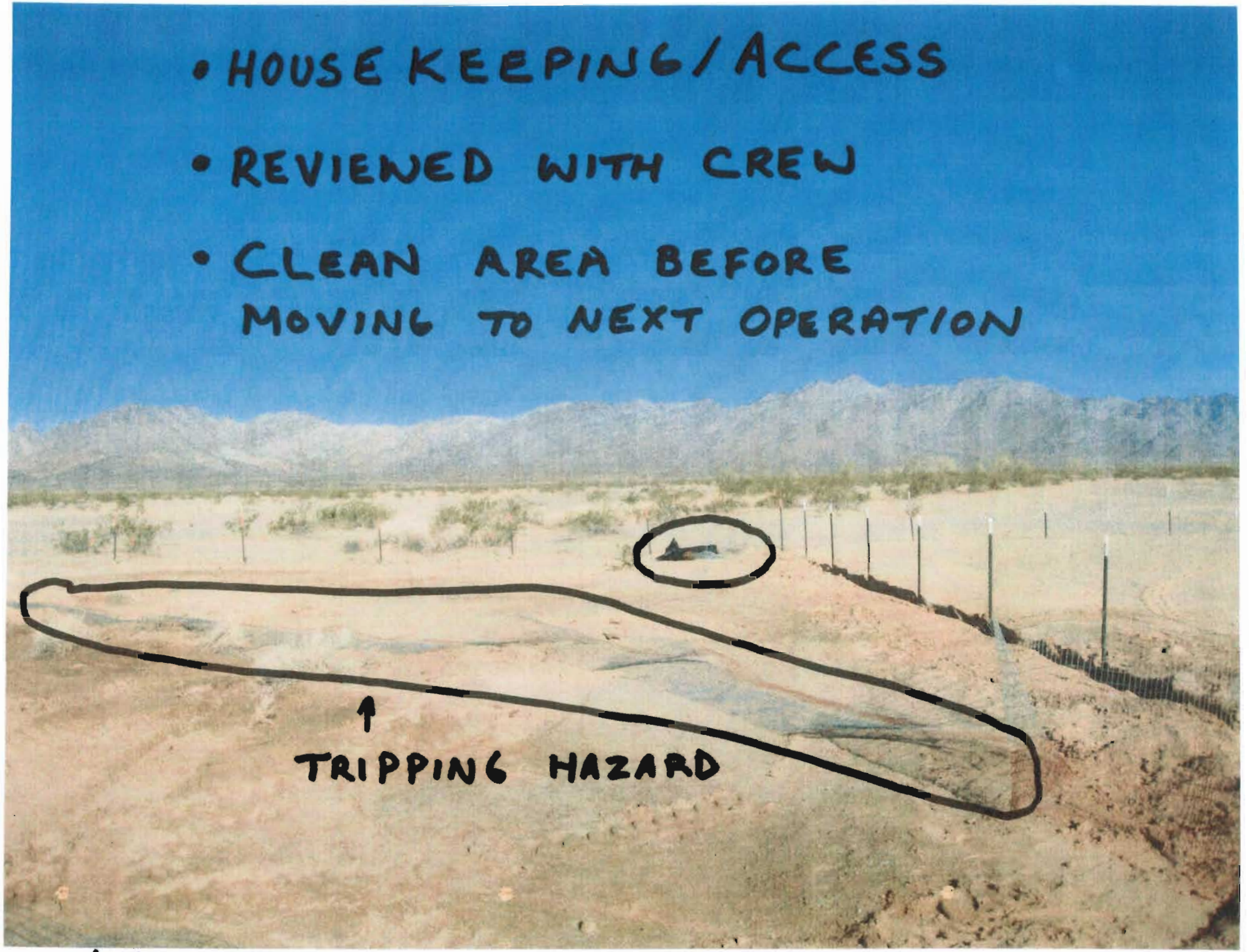
7/11/11



7/9/01


• RIGHT TOOL FOR THE JOB
• OSR H_2O TRUCK CAME WITH STREET TIRES
• RESULTING IN 3 FLAT TIRES IN 2 WEEKS
• VENDOR CONTACTED

7/12/11


• HOUSE KEEPING / ACCESS
• REVIEWED WITH CREW
• CLEAN AREA BEFORE MOVING TO NEXT OPERATION
TRIPPING HAZARD

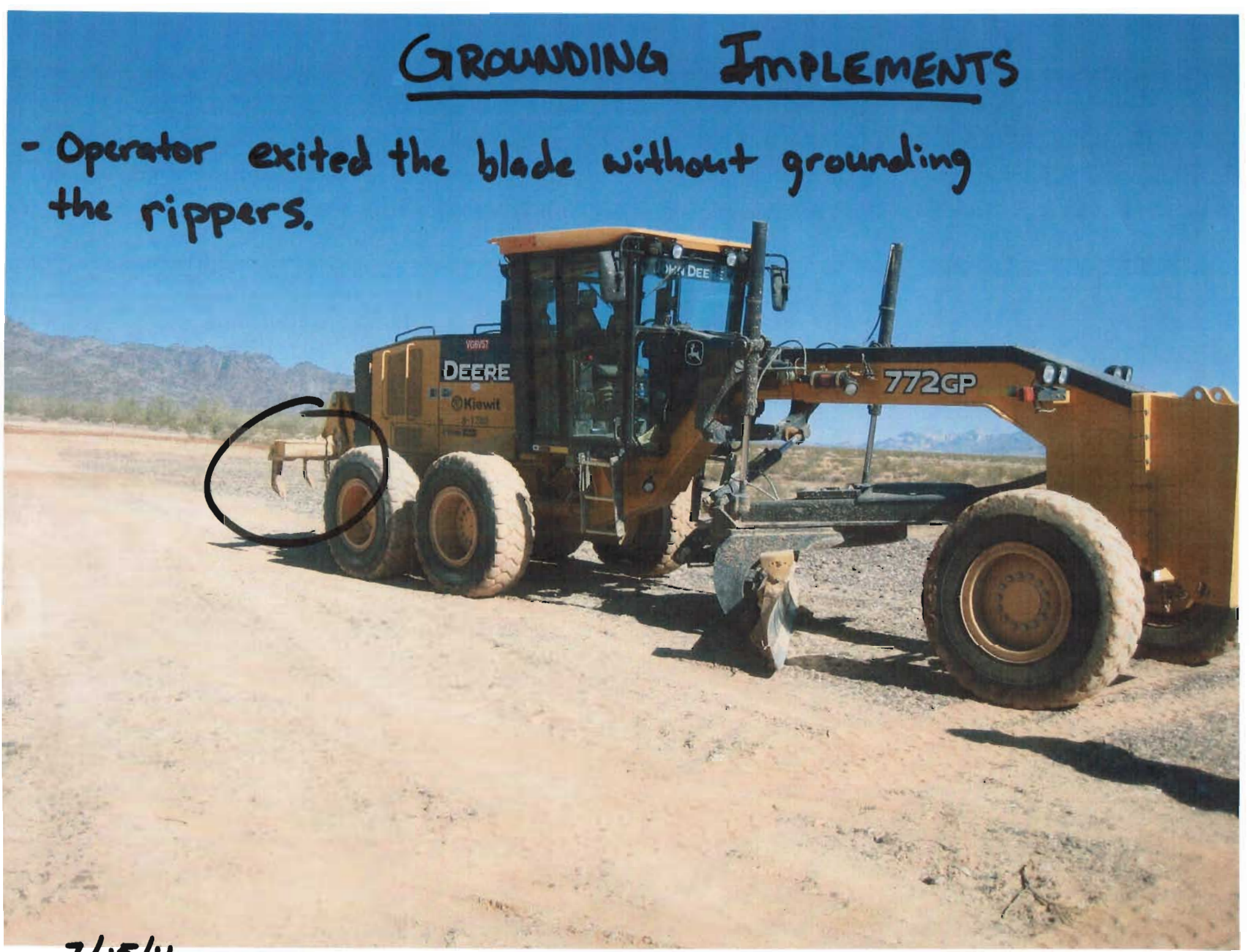
7/13/11


• BIOLOGIST
RELOCATED
SIDEWINDER
7/14/11

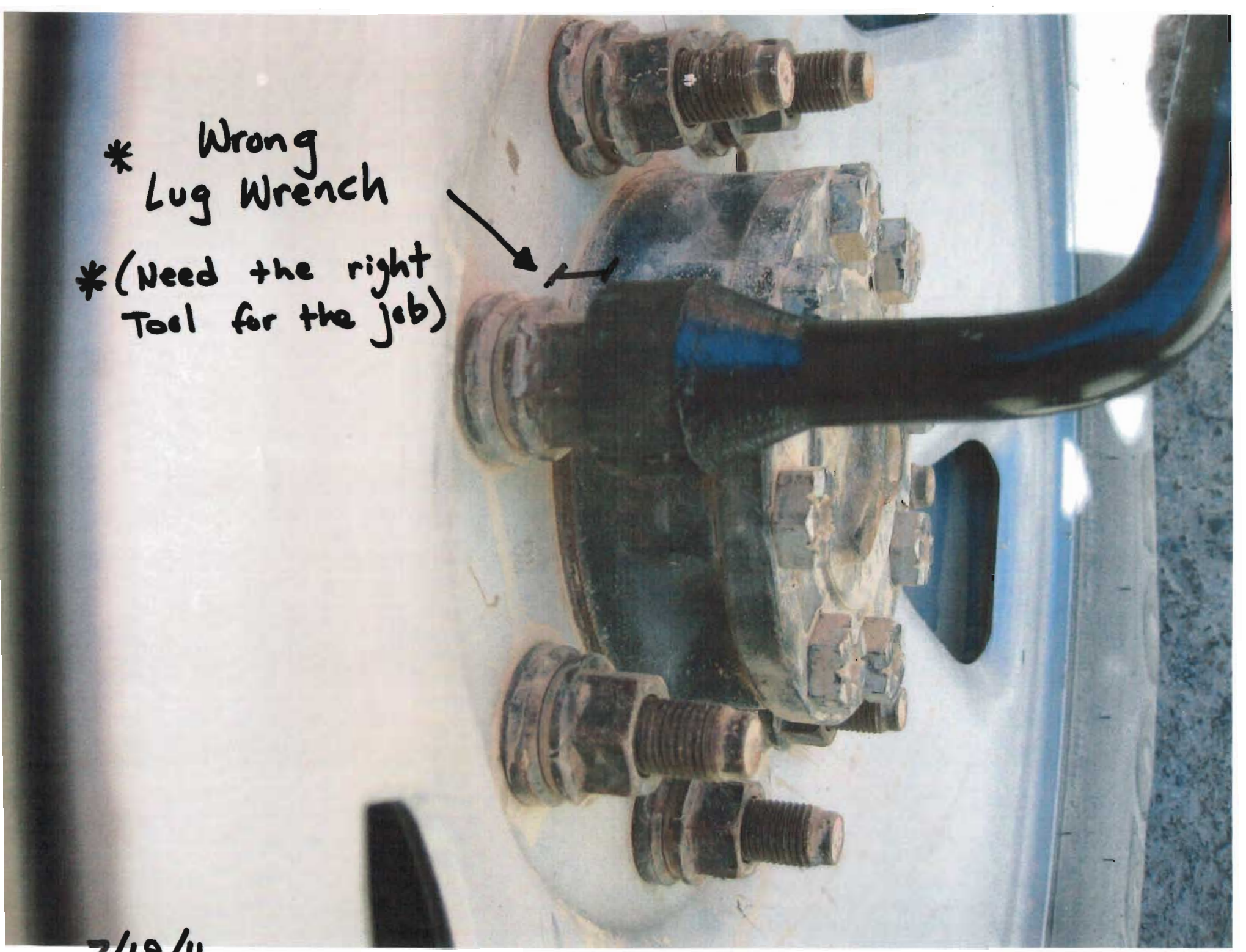

• RECOGNITION
• BIOLOGIST NOTIFIED
• CREW KEPT OUT OF AREA
7/19/11

GROUNDING IMPLEMENTS

- Operator exited the blade without grounding the rippers.



7/15/11



7/18/11

CHANGE IN SITE CONDITION

- CREATE SLAM FOR NEW CONDITIONS
- ANKLE BITERS
- WILDLIFE
- UNEVEN TERRAIN

7-19-11

Kiewit

Blythe Solar Power Plant

Date: 7/20/11

By: Erick Espinosa

Safety/Quality Tour Notes

SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Safety Meeting	Today we had a safety meeting with the entire Kiewit crew and a few biologists & UXO's about the importance of reporting injuries. No matter how minor, it is crucial to report all injuries in order to prevent any infections.	Good.

QUALITY

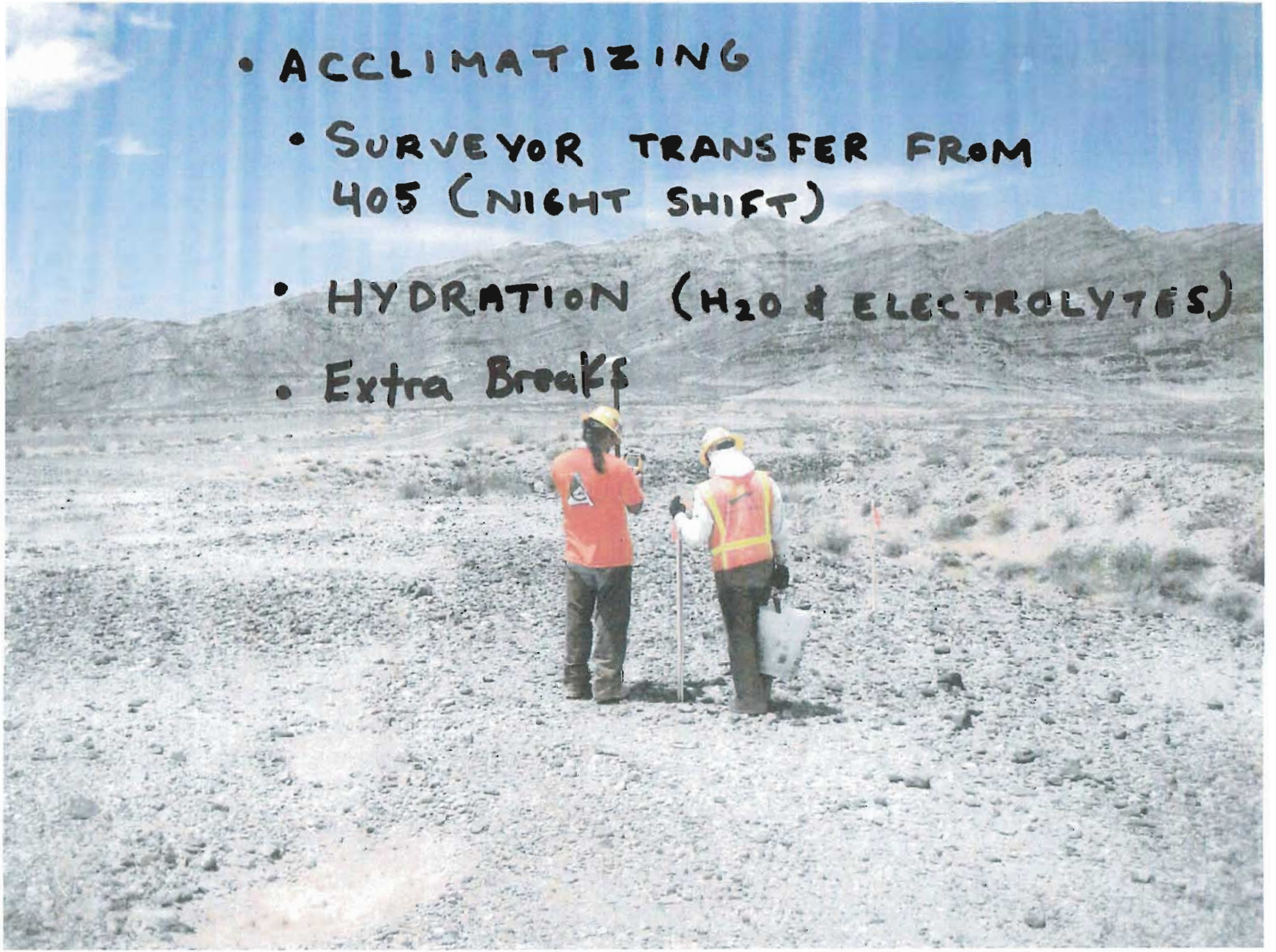
OPERATION	OBSERVATION	SUPT/FOREMAN	CORRECTED?
JHA'S REVIEWED			


Do not
Use Label
• Remove
Damaged Tools
from site
7/21/11

Excavation

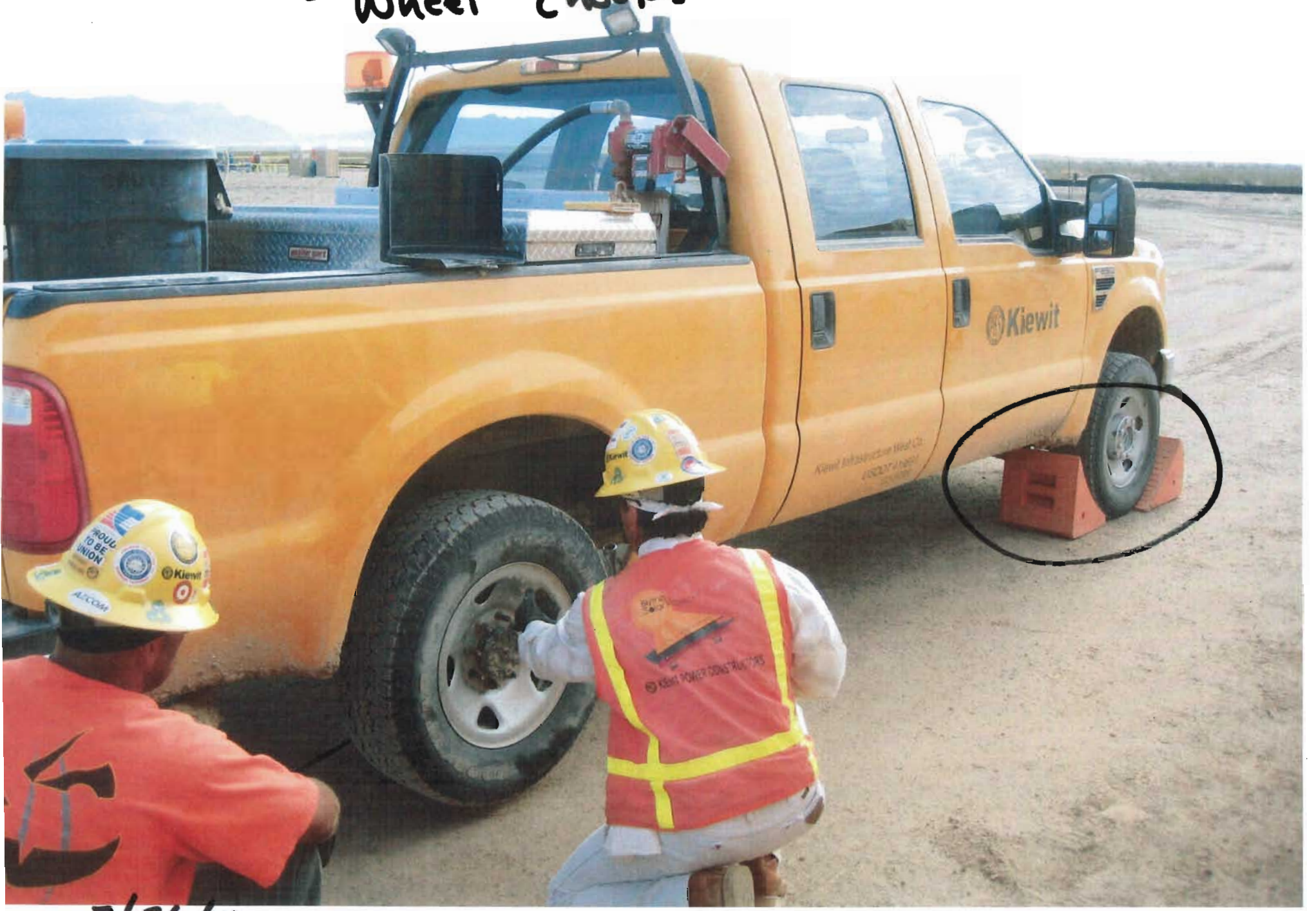
* Owner asked Kiewit to excavate Kit for Burrow.
* We had to stop our operation @ 4' in depth due to our CalOSHA permit.
* We sloped sides > 1.5':1' and barricaded it off.
* We are currently working to obtain our Permit for excavating >5'.

7-22-11


• ACCLIMATIZING
• SURVEYOR TRANSFER FROM 405 (NIGHT SHIFT)
• HYDRATION (H_2O & ELECTROLYTES)
• Extra Breaks

7/25/11

- SLAM Filled Out
- Wheel Chocks



7/26/11

- ORDERED HALF LENGTH SNAKE CHAPS TO ALLEVIATE HEAT ISSUES WITH FULL LENGTH CHAPS

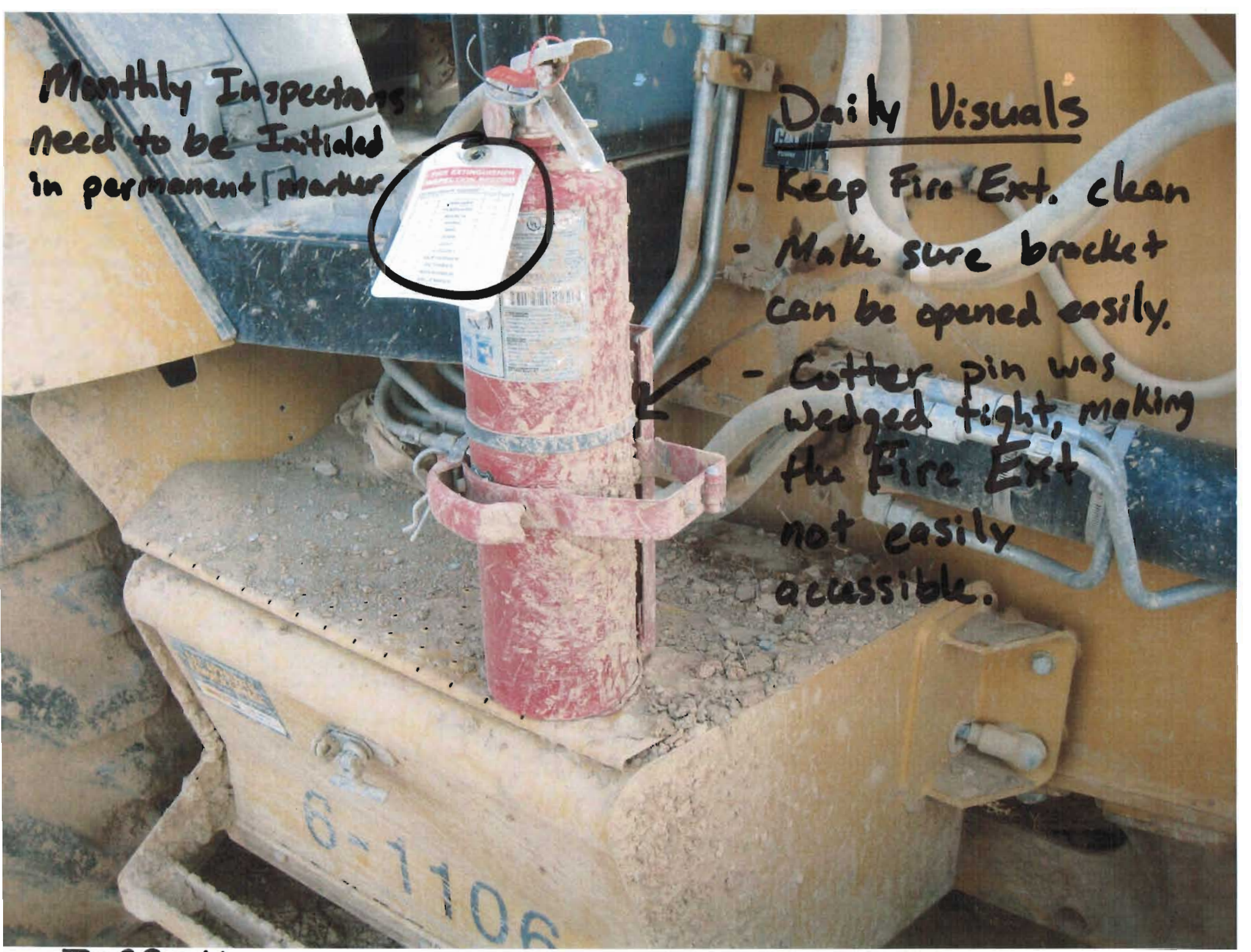
- DESIGNATED BIOLOGIST RECOMMENDED HALF LENGTH CHAPS FOR THESE CONDITIONS

7/27/11

7-28-11

EXCAVATION OF KIT FOX BURROW

* Class "C" soil: Benched material back @ 1.5:1
* Operator grounds bucket, takes hands off controls, and shuts off equip. when monitor enters the hole.
* Monitor must make visual contact (+ physical gesture) with operator before entering hole.
* Completed S.L.A.M (Kiewit) and T.H.A. (Task Hazard Analysis- AECOM) prior to excavation. All parties signed both documents.


Monthly Inspections need to be Initialed in permanent marker
Daily Visuals
- Keep Fire Ext. clean
- Make sure bracket can be opened easily.
- Cotter pin was wedged tight, making the Fire Ext not easily accessible.
6-110

7-29-11

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #9

Exhibit 13
CBO Safety Monitor's Report

WEST COAST CODE CONSULTANTS, Inc.
2400 Camino Ramon, Suite 240
San Ramon, CA 94583
Tel: (925) 275-1700
Fax: (925) 275-0600

August 8, 2011

Blythe Solar Power Project

Mary Dyas
Compliance Project Manager
California Energy Commission
Energy Facilities Siting Division
1516 Ninth Street, MS 2000
Sacramento, CA 95814-5512

RE: BSPP Monthly Safety Monitor Compliance Report July 2011

Dear Ms. Dyas:
As it relates to **Workers Safety 3**, Kiewit Power Inc. has met, or exceeded these requirements with regard to:

- Safety Training
- Safety Inspections
- Safety Incidents and Corrective Actions
- Unresolved Safety Problems
- First Aid, Reportable and Recordable Injuries.

Sincerely,

Greg Gibson
Supervising Building Inspector / Safety Monitor
West Coast Code Consultants, Inc.
2400 Camino Ramon, Suite 240
San Ramon, CA 94583